

The logo consists of the letters 'HYT' in a bold, italicized sans-serif font. The letter 'Y' is stylized with three parallel diagonal lines extending from its top right corner.

**SERVICE MANUAL**  
**TWO-WAY RADIO**

A series of four parallel diagonal stripes in shades of gray and black, running from the bottom left towards the top right, partially overlapping the model name.

***TC-600***

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## Revision History

Material No.	Date of Issue	Changes
8130060000100		Initial Release
8130060000110		1. High frequency amplifier tube, mixer diode and parts list 1. 2. Parts list 2.
8130060000120		1. Audio power amplifier, APC circuit and parts list 1. 2. Parts list 2.

## General

### Manual Scope

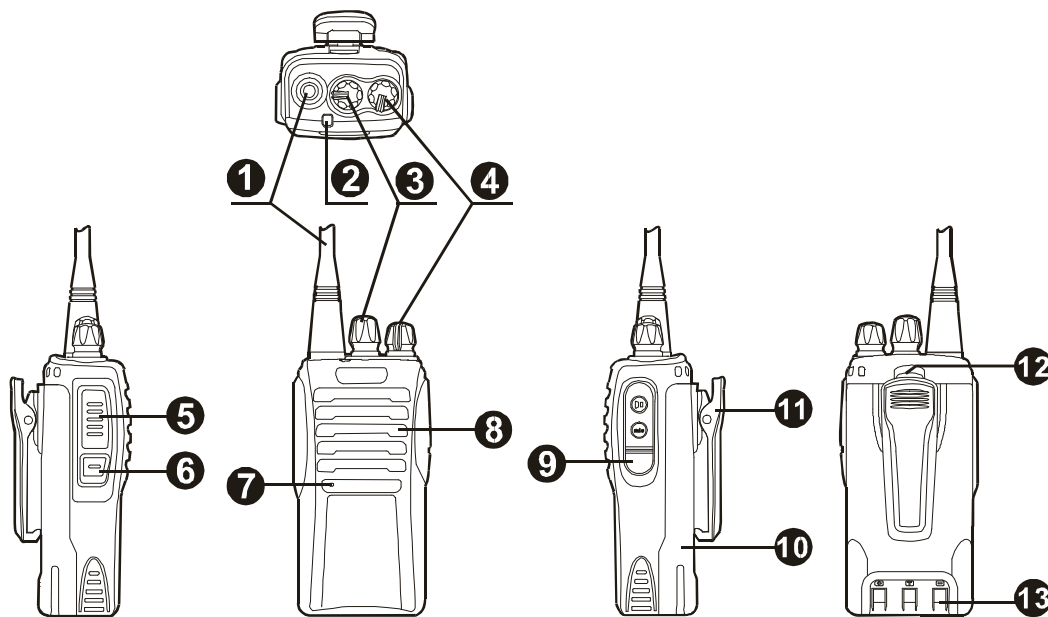
This manual is intended for use by experienced technicians familiar with similar types of communication equipment. It contains all service information required for the equipment and is current as of the publication date.

### User Safety Information

The following precautions are recommended for personnel safety:

- ③ DO NOT transmit until all RF connectors are verified secure and any open connectors are properly terminated.
- ③ SHUT OFF and do not operate this equipment near electrical blasting caps or in an explosive atmosphere.
- ③ When in vehicles with an airbag, do not place a portable radio in the area over an airbag or in the airbag deployment area.
- ③ Do not expose the radio to direct sunlight for a long time nor place it close to a heating source.
- ③ Do not use any portable radio with a damaged antenna. If a damaged antenna comes into contact with your skin, a minor burn may result.
- ③ When transmitting with a portable radio, hold the radio in a vertical position with its microphone about 5 centimeters away from your mouth.
- ③ If you wear a portable radio on your body, be sure to keep the antenna at least 2.5 centimeters away from your head or body when transmitting.
- ③ This equipment should be serviced by qualified technicians only.

## Radio Overview



**1. Antenna**

Helical antenna with a threaded connector. It is used to transmit/receive signals.

**2. LED Indicator**

The light will glow red during transmission and glow green during receiving. During transmission, the light flashes red when the battery voltage is low.

**3. Channel Selector Knob**

**4. Power/Volume Control Knob**

Rotate the Power/Volume Knob clockwise until a “click” is heard to turn the radio on, fully counterclockwise until a “click” is heard to turn the radio off. When the radio is on, turn the knob to adjust volume.

**5. PTT Key**

Press and hold down the PTT key to transmit; and release it to receive.

**6. Function Key**

The key can be programmed to access the radio features with the preset type of key pressing through the programming software.

**7. Microphone**

Used to input voice.

**8. Speaker**

Used to output voice.

**9. External Jack (for external earpiece or radio programming)**

Rotate the jack cover and insert the accessory plug, or insert the programming cable into the jack

to program the radio via the programming software.

**10. Battery**

**11. Belt Clip**

Used to clip the radio on your belt.

**12. Battery Latch**

Used to fasten and remove the battery.

**13. Battery Charging Piece**

Insert the battery into the charger; connect the battery charging piece with those on the charger to begin charging.

# Software Specifications

## Radio Feature Description

1. Use the Channel Selector Knob to choose from 15+1(Scan) channels
2. Monitor
3. CTCSS/CDCSS Encode & Decode
  - CTCSS: 38 groups
  - CDCSS: 83 groups
4. Wideband (25KHz) / Narrowband (12.5KHz)
5. Channel Scan (priority channel and revert channel available)
6. Battery Save (programmable by dealers)
7. Time-out Timer (TOT)
8. Squelch Level (0-9)
9. Low Battery Alert
10. Programmable Function Key
11. High/Low Power
12. 2-Tone Encode & Decode
13. DTMF ANI Encode
14. Model Set Mode
15. PC Programming & Adjust Mode
16. Manual Adjust Mode
17. User Wired Clone Mode
18. Factory Wired Clone Mode

## Radio Modes

Mode	Entry for Mode Startup	Audible & Visual Indicator
User Mode	Disconnect the SELF points and then turn the power on	Power-on alert tone (one long Beep)
Model Set Mode	Short out the SELF points and then turn the power on	2 short Beeps, the light flashes from red to green
User Wired Clone Mode	Disconnect the SELF points, turn on the power while holding down Function Key, press Function Key again	1 short Beep
Factory Wired Clone Mode	Short out the SELF points, turn on the power while holding down Function Key, press Function Key again	2 short Beeps
Manual Adjust Mode	Enable Manual Adjust Mode, turn on the power while holding down PTT and Function Key simultaneously, the radio enters this mode in 2 seconds	2 short Beeps, orange light glows
PC Programming & Adjust Mode	Connect the radio with PC, turn on the radio and activate this mode in programming software	

### 1. User Mode

User Mode is for conventional communication operation. Disconnect the two SELF points and then turn the power on, the radio enters User Mode. (Refer to “TC-600 Owner’s Manual” for detailed operation description.)

### 2. Model Set Mode

- (1) Select MS1 according to the radio model. If MS1 is 1, short out the two MS1 points on PCB. If not, disconnect the two MS1 points.
- (2) Short out the two SELF points and then turn the power on. Two Beeps sound.
- (3) Turn Channel Selector Knob to the corresponding position (1-11) according to the radio model (Refer to “Initial Data Table”).
- (4) Press PTT while holding down Function Key to set the model. Channel data and settings are initialized (Refer to “Initial Data Table”).
- (5) Turn off the power and then disconnect the two SELF points to complete the model setting.  
For example, MS1 of TC-600U (450.000~469.995MHz) is 0 and its model is 7(Refer to “Initial Data Table”). To initialize its model and channel data, you can operate as following:

- Disconnect the two MS1 points.

- Short out the two SELF points.
- Turn on the power and rotate the Channel Selector Knob to CH7.
- Press PTT while holding down Function Key.
- After reset, turn off the power and disconnect the two SELF points. The radio operates at the preset frequency after restart.

**Note:** Once the new model is set, previous channel settings (frequency, CTCSS/CDCSS, channel function settings) will be deleted, and part of functions are also changed. Therefore, do not make this operation unless it's necessary, such as changing the EEPROM, etc.

### **3. PC Programming Mode**

The following parameters can be set through the programming software:

- (1) Receive frequency and transmit frequency
- (2) Receive signaling and transmit signaling
- (3) Busy channel lockout (BCL)
- (4) Time-out timer (TOT)
- (5) Squelch level
- (6) Battery save
- (7) Audio alarm
- (8) Monitor mode
- (9) Scan mode
- (10) Scan revert channel
- (11) Priority scan channel
- (12) Wideband/narrowband per radio
- (13) High/low power
- (14) Wideband/narrowband per channel

### **4. PC Adjust Mode**

The following settings can be adjusted through the programming software:

- (1) Low battery alert level
- (2) SQL9
- (3) SQL3
- (4) CTCSS deviation (wide)
- (5) CDCSS deviation (wide)
- (6) CTCSS deviation (narrow)
- (7) CDCSS deviation (narrow)



## **5. Manual Adjust Mode**

If Manual Adjust Mode is enabled, turn on the power while holding down PTT and Function Key simultaneously, the radio enters Manual Adjust Mode in 2 seconds. Choose the adjusting items by turning the channel selector knob to CH1-CH7; use PTT/Function Key to adjust upwards/downwards (Note: MIC jack shouldn't be connected with external cable while adjusting), CH1-CH7 are defined as follows:

- (1) Low battery alert level
- (2) SQL9
- (3) SQL3
- (4) CTCSS deviation (wide)
- (5) CDCSS deviation (wide)
- (6) CTCSS deviation (narrow)
- (7) CDCSS deviation (narrow)

CH12-CH16 are used to adjust transmitter and receiver. Press PTT to transmit; release to receive. In receive mode, short press the Function Key to toggle between high and low power, or long press it to switch between wideband and narrowband. Three Beeps alternating from high tone to low tone indicate that the transmit power is switched from high to low; and three beeps alternating from low tone to high tone indicate that the transmit power is switched from low to high. Two Beeps sound when wideband is selected and one Beep sounds when narrowband is selected. CH12-CH16 are defined as follows:

- (12) Center frequency (the difference between RX and TX frequency is 0.1MHz)
- (13) Lowest frequency (the difference between RX and TX frequency is 0.1MHz)
- (14) Highest frequency (the difference between RX and TX frequency is -0.075MHz)
- (15) Center frequency: transmit DTMF number "9" (the difference between RX and TX frequency is 0.1MHz)
- (16) Center frequency: transmit with 250.3Hz CTCSS signaling (the difference between RX and TX frequency is 0.1MHz)

### **Note:**

To enable/disable the Manual Adjust Mode: short out the two SELF points, turn on the power to enter Model Set Mode, then Manual Adjust Mode is enabled. Press PTT to disable. It is suggested to disable the mode after the adjustment is completed.

## **6. User/Factory Wired Clone Mode**

The only difference between the two modes is that the latter is able to clone the adjustment settings. Turn on the power while holding down Function key to enter Wired Clone Mode.

- a) If the two SELF points are disconnected, press Function key again, the radio starts user wired clone and red LED flashes; when cloning is completed, red LED goes out.
- b) If the two SELF points are short out, press Function key again, the radio starts factory wired clone and red LED flashes; when cloning is completed, red LED goes out.

**Initial Data Table**

MS1	Model	Frequency (MHz)	IF (MHz)	1CH (Center)		2CH (Low)		3CH (High)		4CH	5CH	6CH	7CH	8CH	9-16CH
				Tx (MHz)	Rx (MHz)	Tx (MHz)	Rx (MHz)	Tx (MHz)	Rx (MHz)	(MHz)	(MHz)	(MHz)	(MHz)	(MHz)	(MHz)
0	1	150.000~173.995	+45.050	162.000	162.100	150.000	150.100	173.975	173.900	162.500	162.550	162.600	162.550	162.650	
0	2	136.000~149.995	+45.050	143.000	143.100	136.000	136.100	149.975	149.900	143.500	143.550	143.600	143.550	143.650	
0	3	146.000~173.995	+45.050	160.000	160.100	146.000	146.100	173.975	173.900	160.500	160.550	160.600	160.550	160.650	
0	4	144.000~147.995	+45.050	146.000	146.100	144.000	144.100	147.975	147.900	146.500	146.550	146.600	146.550	146.650	
0	5	136.000~147.995	+45.050	142.000	142.100	136.000	136.100	147.975	147.900	142.500	142.550	142.600	142.550	142.650	
0	6	136.000~173.995	+45.050	155.000	155.100	136.000	136.100	173.975	173.900	155.500	155.550	155.600	155.550	155.650	
0	7	450.000~469.995	-45.050	460.000	460.100	450.000	450.100	469.975	469.900	460.300	460.350	460.400	460.350	460.450	
0	8	400.000~419.995	-45.050	410.000	410.100	400.000	400.100	419.975	419.900	410.500	410.550	410.600	410.550	410.650	
0	9	470.000~489.995	-45.050	480.000	480.100	470.000	470.100	489.975	489.900	480.500	480.550	480.600	480.550	480.650	
0	10	490.000~511.995	-45.050	501.000	501.100	490.000	490.100	511.975	511.900	501.500	501.550	501.600	501.550	501.650	
0	11	220.000~239.995	-45.050	230.000	230.100	220.000	220.100	239.975	239.900	230.500	230.550	230.600	230.550	230.650	
1	1	240.000~259.995	-45.050	250.000	250.100	240.000	240.100	259.975	259.900	250.500	250.550	250.600	250.550	250.650	
1	2	336.000~367.995	-45.050	352.000	352.100	336.000	336.100	367.975	367.900	352.500	352.550	352.600	352.550	352.650	
1	3	368.000~395.995	-45.050	382.000	382.100	368.000	368.100	395.975	395.900	382.500	382.550	382.600	382.550	382.650	
1	4	370.000~389.995	-45.050	380.000	380.100	370.000	370.100	389.975	389.900	380.500	380.550	380.600	380.550	380.650	
1	5	350.000~369.995	-45.050	360.000	360.100	350.000	350.100	369.975	369.900	360.500	360.550	360.600	360.550	360.650	
1	6	406.000~429.995	-45.050	418.000	418.100	406.000	406.100	429.975	429.900	418.500	418.550	418.600	418.550	418.650	
1	7	400.000~429.995	-45.050	415.000	415.100	400.000	400.100	429.975	429.900	415.500	415.550	415.600	415.550	415.650	
1	8	430.000~439.995	-45.050	435.000	435.100	430.000	430.100	439.975	439.900	435.500	435.550	435.600	435.550	435.650	
1	9	438.000~449.995	-45.050	444.000	444.100	438.000	438.100	449.975	449.900	444.500	444.550	444.600	444.550	444.650	
1	10	480.000~519.995	-45.050	500.000	500.100	480.000	480.100	519.975	519.900	500.500	500.550	500.600	500.550	500.650	
1	11	441.000~451.000	-45.050	446.000	446.100	441.000	441.100	450.975	450.900	446.500	446.550	446.600	446.550	446.650	
CH QT/DQT				OFF	OFF	OFF	OFF	OFF	OFF	OFF	023	023	127.3	151.4	

# Circuit Description

## 1. Frequency Configuration

The receiver utilizes double conversion superheterodyne. The first IF is 45.050MHz and the second is 455 KHz. The first local oscillator signal is supplied from PLL circuit. Frequency needed in the transmitter is supplied from PLL circuit. Figure 1 shows the frequency configuration.

Frequency Range: 150 MHz—174MHz

400 MHz—420MHz

450 MHz—470MHz

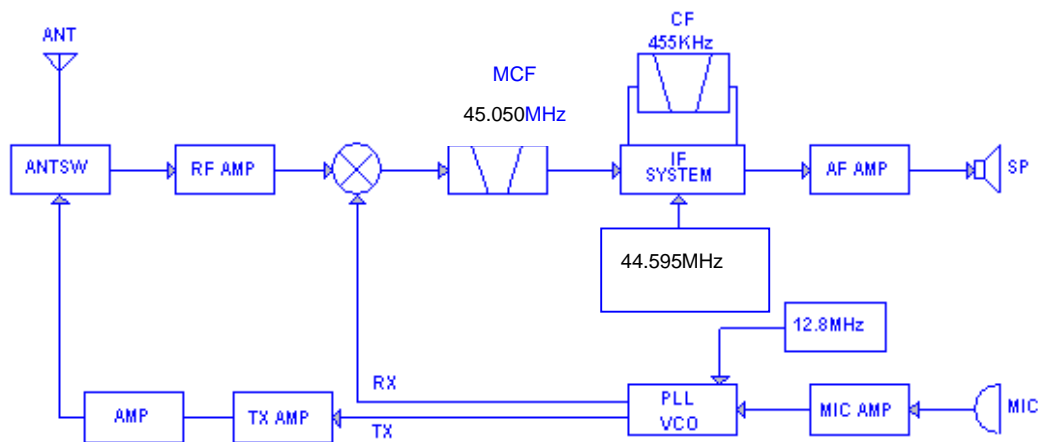


Figure 1 Frequency Configuration

## 2. Receiver

The receiver utilizes double conversion superheterodyne.

### 1) Front-End RF Amplifier

The input signal from antenna is amplified in RF amplifier (Q27) after passing through the receive/transmit switch circuit and a 3-stage LC band pass filter. The amplified signals are filtered by a band pass filter (a 3-stage LC BPF) to eliminate unwanted signals before they go to the first mixer.

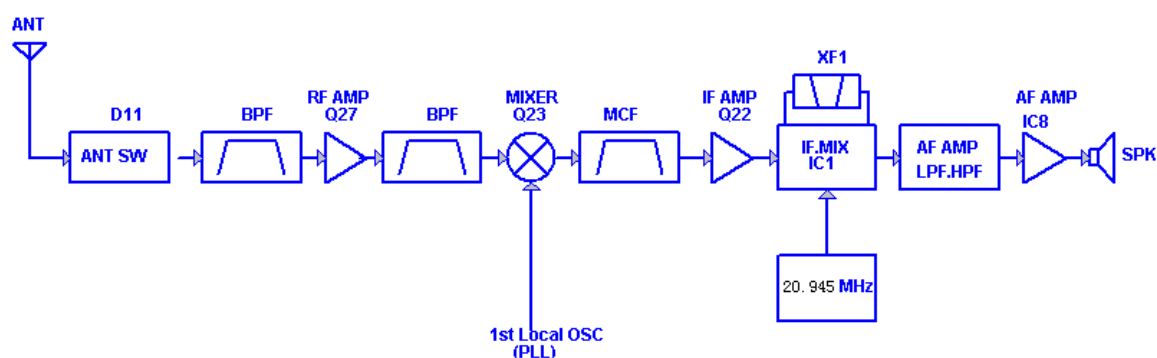


Figure 2 Receiver Section Configuration

## 2) The First Mixer

The signal from RF amplifier is mixed with the first local oscillator signal from PLL frequency synthesizer in the first mixer (Q23) to generate a 45.050MHz first IF signal. The first IF signal is then fed through two monolithic crystal filters (XF1) to remove spurious signals from adjacent channels.

## 3) IF Amplifier

The first IF signal is amplified in Q22 and then enters the IF processing chip IC1. The signal is mixed with the second local oscillator signal in IC1 to create a 455KHz second IF signal. The second IF signal is then fed to a 455KHz ceramics filter (CF1) to eliminate unwanted signals before it is amplified and detected in IC1.

## 4) Audio Amplifier

The demodulated audio signal obtained from IC1 is amplified in IC7 (1/4), and then filtered by low pass filter Q19 and high pass filter Q20, and then de-emphasized by R130 and C156. The resulting audio signal passes through a volume control circuit and then is amplified to a sufficient level to drive the speaker by audio power amplifier (IC8).

## 5) Squelch

Part of the audio signal from IC1 re-enters IC1, and the noise component is amplified and rectified by a filter and an amplifier to produce a DC voltage corresponding to the noise level. The DC signal goes to the analog port of the microprocessor (IC11). IC11 determines whether to output sounds from the speaker by detecting whether the input voltage is higher or lower than the preset value.

To output sounds from the speaker, IC11 sends a high level signal to the MUTE and AFCO lines and turns on IC8 through Q12.

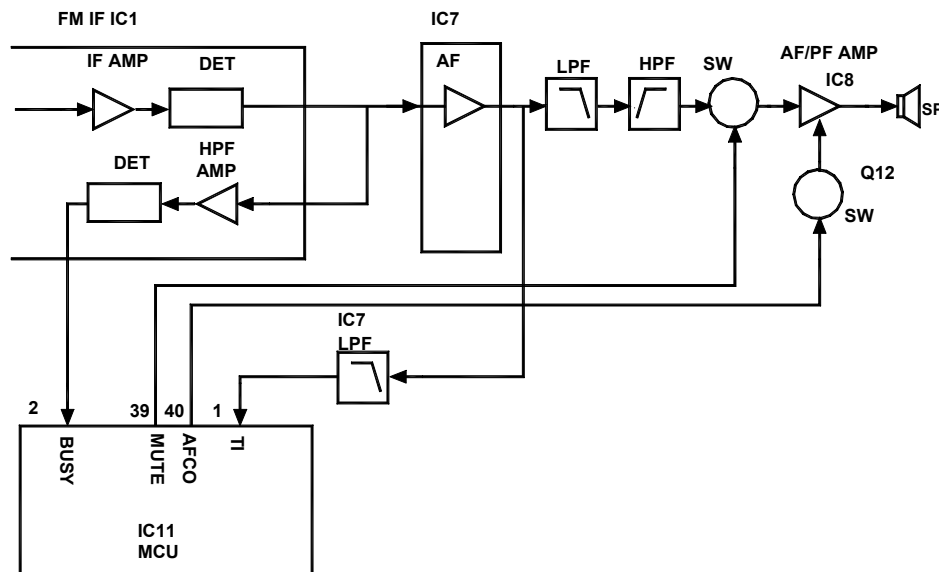


Figure 3 Audio Amplifier and Squelch Circuit

## 6) Receive Signaling

### CTCSS/CDCSS

Over 300Hz audio frequencies of the signal output from IF chip is cut off by a low pass filter. The resulting signal enters the microprocessor IC11. IC11 determines whether the CTCSS/CDCSS matches the preset value, and controls the MUTE, AFCO and the speaker output according to the squelch results.

### 2-Tone

The output 2-Tone signal from IF chip goes to IC7 (1/4) for voltage amplification, then is processed by shaping circuit that is comprised of IC7 (2/4) and other components before being detected by IC11 Pin11. IC11 determines whether the 2-Tone matches the preset value, and controls MUTE, APCO and speaker output according to squelch results.

## 3. PLL Frequency Synthesizer

PLL circuit generates the first local oscillator signal for reception and the RF signal for transmission.

### 1) PLL

The step frequency of PLL circuit is 5KHz\6.25KHz\12.5 KHz\10 KHz. A 12.8MHz reference oscillator signal is divided at IC2 by a fixed counter to produce a 5 KHz\6.25KHz\12.5 KHz\10 KHz reference frequency. The output signal from voltage control oscillator (VCO) passes through buffer amplifier Q14 and is divided at IC2 by the programmable dual-module counter. The divided signal is compared in the phase comparator IC2 with the 5 KHz\6.25KHz\12.5 KHz\25 KHz reference signal. The output signal from phase comparator is filtered by a

low-pass filter and passed to the VCO to control the oscillator frequency. (See Figure 4)

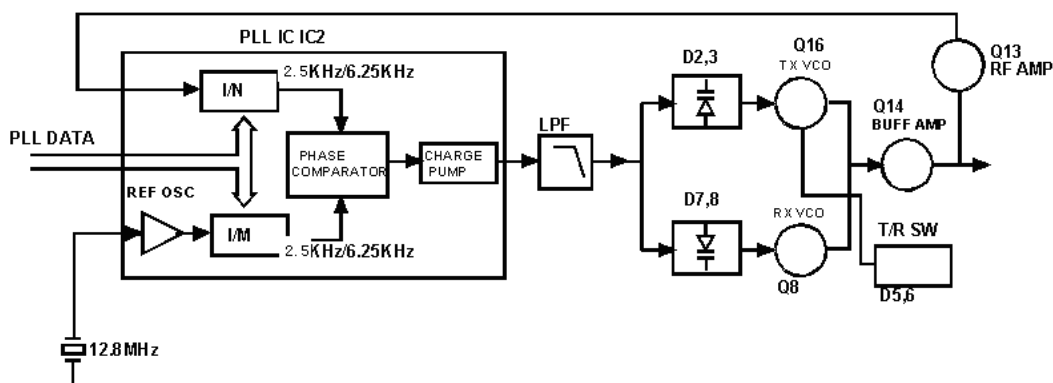


Figure 4 PLL Circuit

## 2) VCO

The operating frequency is generated by Q16 in transmit mode and by Q8 in receive mode. The operating frequency generates a control voltage through the phase comparator to control the varactor, so that the oscillator frequency is made consistent with the preset frequency in CPU (D2 and D3 in transmit mode, D7 and D8 in receive mode). In receive mode, Q6 turns off Q16 and turns Q7 on, which causes the T/R pin to be set to high level. The T/R pin is set to low level in transmit mode. The output from Q8 and Q16 is amplified by Q14 and sent to the buffer amplifier.

# 4. Transmitter

## 1) Transmit Audio

The modulation signal from microphone is amplified by IC3, pre-emphasized, then filtered by another low pass filter (separate filter) (Q25 and Q24) to eliminate the frequencies higher than 3KHz. The resulting signal enters the VCO for direct FM modulation. The voice voltage amplitude control circuit (Q46\R131\R601) is used to switch between wideband and narrowband. (See Figure 5)

## 2) CTCSS/CDCSS Encoder

The signal needed by CTCSS/CDCSS encoder is generated by IC11 and FM-modulated to the PLL reference signal. Since the reference oscillator can not modulate frequency without loop characteristics, modulation is performed at the VCO side via the divider. (See Figure 5)

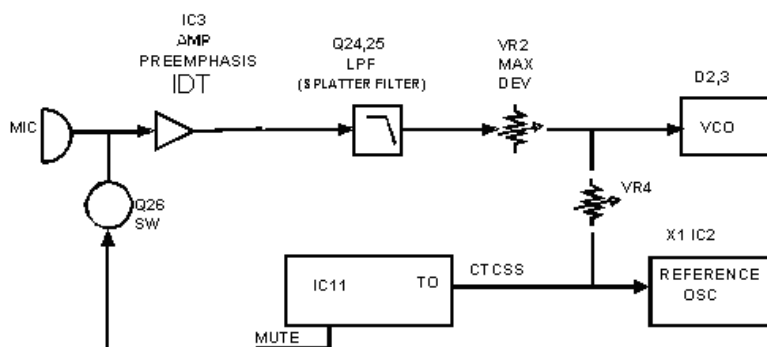


Figure 5 Transmit CTCSS

### **3) DTMF/2-Tone Encoder**

DTMF/2-Tone signalings are generated by IC11 and outputted in parallel by Pin 48-51. The output signal is reshaped by resistor array CP7-CP10, then sent to IC3 (1/4) for amplification, and filtered by active LPF consisting of Q25, Q24 and other components to eliminate the corresponding HF emission before being passed to TX VCO for modulation. The modulated signal is applied to AF AMP through C254 for ease of monitoring.

### **4) RF Amplifier**

The transmit signal obtained from VCO buffer amplifier Q14 is amplified by Q15 and Q17. The amplified signal is passed to power amplifier Q32 and Q31, and is capable of generating a 4.0W RF power. Q50 and R617 are used to toggle between high and low power.

### **5) Antenna Switch and LPF**

The output signal from RF amplifier is passed through a low-pass filter network and a transmit/receive switch circuit before reaching the antenna terminal. The transmit/receive switch circuit is comprised of D11 and D12. D11 and D12 is turned on (conductive) in transmit mode and off (isolated) in receive mode.

## **5. Power**

The 5V reference power supply for the control circuit is derived from a LDO IC. The reference power provides a 5V voltage in transmit mode [T\_V], a 5V voltage in receive mode [R\_V], and a 5V voltage shared in both modes based on the control signal from the microprocessor.

## **6. Control System**

The IC11 CPU operates at 7.3728MHz.



## CPU Pins

Pin No.	Pin Name	I/O	Description
1	TI	I	CTCSS/CDCSS input
2	BUSY	I	Busy signal input
3	BATT	I	Battery voltage detect
4	TIBI	I	CTCSS/CDCSS external circuit center point input
5	NC		
6	SAVE	O	Battery save control H: OFF L: ON
7	TXLow	O	TX power control H: Low power L: High power
8	LE	O	PLL IC enable
9	PLL_DAT	O	PLL data output
10	PLL_CLK	O	PLL clock output
11	TTSin	I	2-Tone input
12	BEEP	O	BEEP output
13	SCL	O	E <sup>2</sup> PROM clock line
14	SDA	I/O	E <sup>2</sup> PROM data line
15	MUTE	O	MIC mute control H: MIC mute L: MIC enable
16	MS1	O	Model select
17	GLED	O	Green light control H: Lit
18	RLED	O	Red light control H: Lit
19	TXD	O	RS-232C output
20	RXD	I	RS-232C input
21	PTT	I	PTT key input L: Press
22	NC	I	
23	RXC	O	Receiver power supply control L: ON
24	NC	I	NC
25	RESET	I	Reset input
26	SELF	I	Self programming L: ON
27	TXC	O	Transmitter power supply control H: ON
28	Xin	I	Oscillator input
29	Xout	O	Oscillator output
30	Vss	I	GND
31	RT	O	RX/TX control H: RX L: TX
32	UL	I	PLL unlock detect H: Lock L: Unlock
33	IF_CTRL	I	IF select H: 21.4MHz L: 45.05MHz
34	MONI	I	Function key input L: Press
35	ENC0	I	Channel Selector Knob encode input
36	ENC1	I	
37	ENC2	I	
38	ENC3	I	
39	AF_MUTE	O	AF mute control

40	AF_PWR	O	AF power supply control
41	CTDCSS5	O	CTCSS/CDCSS code output
42	CTDCSS4	O	
43	CTDCSS3	O	
44	CTDCSS2	O	
45	CTDCSS1	O	
46	CTDCSS0	O	
47	WNTC	O	Wideband/narrowband      L: W      H: N
48	DTMF/2ToneOut5	0	DTMF/2-Tone code output
49	DTMF/2ToneOut4	0	
50	DTMF/2ToneOut3	0	
51	DTMF/2ToneOut2	0	
52	DTMF/2ToneOut1	0	
53	DTMF/2ToneOut0	0	
54-70	NC		
71	Vcc	I	Power input: 5V
72	Vref	I	A-D conversion reference voltage
73	Avss	I	A-D GND
74-80	NC		

# TC-600 VHF Parts List 1

## 150-174MHz

No.	Material No.	Description	Qty	Ref. No.	Address
1	3001053330010	Chip resistor 0402 33KΩ J 1/16W(RoHS)	1	R629	T2E
2	3001060000000	Chip resistor 0603 0Ω J 1/10W(RoHS)	1	D20	T1D
3	3001060000000	Chip resistor 0603 0Ω J 1/10W(RoHS)	1	L29	B3C
4	3001060000000	Chip resistor 0603 0Ω J 1/10W(RoHS)	1	R107	B3I
5	3001060000000	Chip resistor 0603 0Ω J 1/10W(RoHS)	1	R108	B3F
6	3001060000000	Chip resistor 0603 0Ω J 1/10W(RoHS)	1	R110	T4G
7	3001060000000	Chip resistor 0603 0Ω J 1/10W(RoHS)	1	R116	T3B
8	3001060000000	Chip resistor 0603 0Ω J 1/10W(RoHS)	1	R126	B2G
9	3001060000000	Chip resistor 0603 0Ω J 1/10W(RoHS)	1	R151	B2F
10	3001060000000	Chip resistor 0603 0Ω J 1/10W(RoHS)	1	R193	B3E
11	3001060000000	Chip resistor 0603 0Ω J 1/10W(RoHS)	1	R194	B3E
12	3001060000000	Chip resistor 0603 0Ω J 1/10W(RoHS)	1	R46	T2G
13	3001060000000	Chip resistor 0603 0Ω J 1/10W(RoHS)	1	R508	B1I
14	3001060000000	Chip resistor 0603 0Ω J 1/10W(RoHS)	1	R94	T3F
15	3001061000000	Chip resistor 0603 10Ω J 1/10W(RoHS)	1	R106	T3F
16	3001061000000	Chip resistor 0603 10Ω J 1/10W(RoHS)	1	R113	T5J
17	3001061000000	Chip resistor 0603 10Ω J 1/10W(RoHS)	1	R164	B4H
18	3001061000000	Chip resistor 0603 10Ω J 1/10W(RoHS)	1	R171	B5G
19	3001061000000	Chip resistor 0603 10Ω J 1/10W(RoHS)	1	R80	B4G
20	3001061000000	Chip resistor 0603 10Ω J 1/10W(RoHS)	1	R82	B3E
21	3001061010000	Chip resistor 0603 100Ω J 1/10W(RoHS)	1	R127	B1E
22	3001061010000	Chip resistor 0603 100Ω J 1/10W(RoHS)	1	R147	B2F
23	3001061010000	Chip resistor 0603 100Ω J 1/10W(RoHS)	1	R169	B2I
24	3001061010000	Chip resistor 0603 100Ω J 1/10W(RoHS)	1	R170	B2I
25	3001061010000	Chip resistor 0603 100Ω J 1/10W(RoHS)	1	R74	B4G
26	3001061010000	Chip resistor 0603 100Ω J 1/10W(RoHS)	1	R75	B2A
27	3001061010000	Chip resistor 0603 100Ω J 1/10W(RoHS)	1	R76	B1F
28	3001061010000	Chip resistor 0603 100Ω J 1/10W(RoHS)	1	R90	T5H
29	3001061020010	Chip resistor 0603 1KΩ J 1/10W(RoHS)	1	R146	B2G
30	3001061020010	Chip resistor 0603 1KΩ J 1/10W(RoHS)	1	R165	B2E
31	3001061020010	Chip resistor 0603 1KΩ J 1/10W(RoHS)	1	R184	B3H
32	3001061020010	Chip resistor 0603 1KΩ J 1/10W(RoHS)	1	R186	B5D
33	3001061020010	Chip resistor 0603 1KΩ J 1/10W(RoHS)	1	R203	T2E
34	3001061020010	Chip resistor 0603 1KΩ J 1/10W(RoHS)	1	R39	B3I
35	3001061020010	Chip resistor 0603 1KΩ J 1/10W(RoHS)	1	R47	B2G
36	3001061020010	Chip resistor 0603 1KΩ J 1/10W(RoHS)	1	R51	B5E
37	3001061020010	Chip resistor 0603 1KΩ J 1/10W(RoHS)	1	R52	T3F
38	3001061020010	Chip resistor 0603 1KΩ J 1/10W(RoHS)	1	R53	B4G
39	3001061020010	Chip resistor 0603 1KΩ J 1/10W(RoHS)	1	R56	B4I
40	3001061020010	Chip resistor 0603 1KΩ J 1/10W(RoHS)	1	R57	B1I

No.	Material No.	Description	Qty	Ref. No.	Address
41	3001061020010	Chip resistor 0603 1KΩ J 1/10W(RoHS)	1	R58	T4B
42	3001061020010	Chip resistor 0603 1KΩ J 1/10W(RoHS)	1	R59	T3B
43	3001061020010	Chip resistor 0603 1KΩ J 1/10W(RoHS)	1	R60	T2D
44	3001061020010	Chip resistor 0603 1KΩ J 1/10W(RoHS)	1	R61	T2D
45	3001061020010	Chip resistor 0603 1KΩ J 1/10W(RoHS)	1	R78	T3A
46	3001061020010	Chip resistor 0603 1KΩ J 1/10W(RoHS)	1	R89	T4I
47	3001061030010	Chip resistor 0603 10KΩ J 1/10W(RoHS)	1	R100	T4B
48	3001061030010	Chip resistor 0603 10KΩ J 1/10W(RoHS)	1	R119	B4J
49	3001061030010	Chip resistor 0603 10KΩ J 1/10W(RoHS)	1	R129	T2H
50	3001061030010	Chip resistor 0603 10KΩ J 1/10W(RoHS)	1	R179	B3H
51	3001061030010	Chip resistor 0603 10KΩ J 1/10W(RoHS)	1	R36	B2I
52	3001061030010	Chip resistor 0603 10KΩ J 1/10W(RoHS)	1	R37	T2E
53	3001061030010	Chip resistor 0603 10KΩ J 1/10W(RoHS)	1	R38	B4J
54	3001061030010	Chip resistor 0603 10KΩ J 1/10W(RoHS)	1	R40	B3F
55	3001061030010	Chip resistor 0603 10KΩ J 1/10W(RoHS)	1	R41	T5F
56	3001061030010	Chip resistor 0603 10KΩ J 1/10W(RoHS)	1	R42	T5E
57	3001061030010	Chip resistor 0603 10KΩ J 1/10W(RoHS)	1	R44	B4B
58	3001061030010	Chip resistor 0603 10KΩ J 1/10W(RoHS)	1	R45	B4B
59	3001061040010	Chip resistor 0603 100KΩ J 1/10W(RoHS)	1	R10	B2H
60	3001061040010	Chip resistor 0603 100KΩ J 1/10W(RoHS)	1	R12	B2I
61	3001061040010	Chip resistor 0603 100KΩ J 1/10W(RoHS)	1	R13	B3G
62	3001061040010	Chip resistor 0603 100KΩ J 1/10W(RoHS)	1	R145	T5F
63	3001061040010	Chip resistor 0603 100KΩ J 1/10W(RoHS)	1	R15	B3G
64	3001061040010	Chip resistor 0603 100KΩ J 1/10W(RoHS)	1	R154	T4F
65	3001061040010	Chip resistor 0603 100KΩ J 1/10W(RoHS)	1	R168	B1E
66	3001061040010	Chip resistor 0603 100KΩ J 1/10W(RoHS)	1	R17	B2F
67	3001061040010	Chip resistor 0603 100KΩ J 1/10W(RoHS)	1	R173	B3F
68	3001061040010	Chip resistor 0603 100KΩ J 1/10W(RoHS)	1	R175	T2B
69	3001061040010	Chip resistor 0603 100KΩ J 1/10W(RoHS)	1	R176	T2B
70	3001061040010	Chip resistor 0603 100KΩ J 1/10W(RoHS)	1	R178	B3F
71	3001061040010	Chip resistor 0603 100KΩ J 1/10W(RoHS)	1	R18	T4B
72	3001061040010	Chip resistor 0603 100KΩ J 1/10W(RoHS)	1	R202	B4I
73	3001061040010	Chip resistor 0603 100KΩ J 1/10W(RoHS)	1	R35	T2C
74	3001061040010	Chip resistor 0603 100KΩ J 1/10W(RoHS)	1	R7	B2I
75	3001061040010	Chip resistor 0603 100KΩ J 1/10W(RoHS)	1	R8	B5F
76	3001061040010	Chip resistor 0603 100KΩ J 1/10W(RoHS)	1	R9	B5G
77	3001061040010	Chip resistor 0603 100KΩ J 1/10W(RoHS)	1	R95	B4I
78	3001061050010	Chip resistor 0603 1MΩ J 1/10W(RoHS)	1	R109	T2B
79	3001061050010	Chip resistor 0603 1MΩ J 1/10W(RoHS)	1	R197	T2G
80	3001061240010	Chip resistor 0603 120KΩ J 1/10W(RoHS)	1	R11	B4I
81	3001061240010	Chip resistor 0603 120KΩ J 1/10W(RoHS)	1	R150	B2F
82	3001061240010	Chip resistor 0603 120KΩ J 1/10W(RoHS)	1	R72	B4G
83	3001061510000	Chip resistor 0603 150Ω J 1/10W(RoHS)	1	R5	B2F
84	3001061510000	Chip resistor 0603 150Ω J 1/10W(RoHS)	1	R68	B4F

No.	Material No.	Description	Qty	Ref. No.	Address
85	3001061510000	Chip resistor 0603 150Ω J 1/10W(RoHS)	1	R92	T3E
86	3001061520000	Chip resistor 0603 1.5KΩ J 1/10W(RoHS)	1	R48	B3F
87	3001061520000	Chip resistor 0603 1.5KΩ J 1/10W(RoHS)	1	R50	T5F
88	3001061520000	Chip resistor 0603 1.5KΩ J 1/10W(RoHS)	1	R55	T2E
89	3001061530010	Chip resistor 0603 15KΩ J 1/10W(RoHS)	1	R161	T4F
90	3001061530010	Chip resistor 0603 15KΩ J 1/10W(RoHS)	1	R163	T4F
91	3001061540000	Chip resistor 0603 150KΩ J 1/10W(RoHS)	1	R139	B2I
92	3001061540000	Chip resistor 0603 150KΩ J 1/10W(RoHS)	1	R14	B3G
93	3001061540000	Chip resistor 0603 150KΩ J 1/10W(RoHS)	1	R140	B2J
94	3001061540000	Chip resistor 0603 150KΩ J 1/10W(RoHS)	1	R141	B2J
95	3001061540000	Chip resistor 0603 150KΩ J 1/10W(RoHS)	1	R142	B2J
96	3001061800000	Chip resistor 0603 18Ω J 1/10W(RoHS)	1	R196	B3D
97	3001061820000	Chip resistor 0603 1.8KΩ J 1/10W(RoHS)	1	R114	B5I
98	3001061820000	Chip resistor 0603 1.8KΩ J 1/10W(RoHS)	1	R117	B5I
99	3001061820000	Chip resistor 0603 1.8KΩ J 1/10W(RoHS)	1	R131	T4E
100	3001061820000	Chip resistor 0603 1.8KΩ J 1/10W(RoHS)	1	R144	B3I
101	3001061820000	Chip resistor 0603 1.8KΩ J 1/10W(RoHS)	1	R187	B5D
102	3001061840000	Chip resistor 0603 180KΩ J 1/10W(RoHS)	1	R97	B3H
103	3001061850000	Chip resistor 0603 1.8MΩ J 1/10W(RoHS)	1	R155	T5G
104	3001061850000	Chip resistor 0603 1.8MΩ J 1/10W(RoHS)	1	R156	T5F
105	3001062030000	Chip resistor 0603 20KΩ J 1/10W(RoHS)	1	R98	B3G
106	3001062220000	Chip resistor 0603 2.2KΩ J 1/10W(RoHS)	1	R174	T4H
107	3001062220000	Chip resistor 0603 2.2KΩ J 1/10W(RoHS)	1	R207	T2G
108	3001062220000	Chip resistor 0603 2.2KΩ J 1/10W(RoHS)	1	R3	B2I
109	3001062220000	Chip resistor 0603 2.2KΩ J 1/10W(RoHS)	1	R6	T2B
110	3001062230000	Chip resistor 0603 22KΩ J 1/10W(RoHS)	1	R120	T4G
111	3001062240010	Chip resistor 0603 220KΩ J 1/10W(RoHS)	1	R124	T3F
112	3001062240010	Chip resistor 0603 220KΩ J 1/10W(RoHS)	1	R167	T1D
113	3001062240010	Chip resistor 0603 220KΩ J 1/10W(RoHS)	1	R83	T1E
114	3001062710000	Chip resistor 0603 270Ω J 1/10W(RoHS)	1	R67	B4G
115	3001062710000	Chip resistor 0603 270Ω J 1/10W(RoHS)	1	R69	B4H
116	3001062720000	Chip resistor 0603 2.7KΩ J 1/10W(RoHS)	1	R49	B2H
117	3001062720000	Chip resistor 0603 2.7KΩ J 1/10W(RoHS)	1	R64	B4D
118	3001062720000	Chip resistor 0603 2.7KΩ J 1/10W(RoHS)	1	R65	B4D
119	3001062730010	Chip resistor 0603 27KΩ J 1/10W(RoHS)	1	R132	B3H
120	3001062730010	Chip resistor 0603 27KΩ J 1/10W(RoHS)	1	R206	T2G
121	3001062730010	Chip resistor 0603 27KΩ J 1/10W(RoHS)	1	R602	B3H
122	3001062740010	Chip resistor 0603 270KΩ J 1/10W(RoHS)	1	R16	B3G
123	3001062740010	Chip resistor 0603 270KΩ J 1/10W(RoHS)	1	R2	B3H
124	3001063310010	Chip resistor 0603 330Ω J 1/10W (RoHS)	1	R122	B3D
125	3001063320000	Chip resistor 0603 3.3KΩ J 1/10W(RoHS)	1	R130	B2I
126	3001063320000	Chip resistor 0603 3.3KΩ J 1/10W(RoHS)	1	R25	B2I
127	3001063320000	Chip resistor 0603 3.3KΩ J 1/10W(RoHS)	1	R26	B2H
128	3001063320000	Chip resistor 0603 3.3KΩ J 1/10W(RoHS)	1	R27	B4E

No.	Material No.	Description	Qty	Ref. No.	Address
129	3001063320000	Chip resistor 0603 3.3KΩ J 1/10W(RoHS)	1	R28	B5E
130	3001063320000	Chip resistor 0603 3.3KΩ J 1/10W(RoHS)	1	R29	B4G
131	3001063320000	Chip resistor 0603 3.3KΩ J 1/10W(RoHS)	1	R30	B4F
132	3001063320000	Chip resistor 0603 3.3KΩ J 1/10W(RoHS)	1	R31	B3E
133	3001063320000	Chip resistor 0603 3.3KΩ J 1/10W(RoHS)	1	R32	B1F
134	3001063320000	Chip resistor 0603 3.3KΩ J 1/10W(RoHS)	1	R33	T5F
135	3001063320000	Chip resistor 0603 3.3KΩ J 1/10W(RoHS)	1	R34	B4G
136	3001063320000	Chip resistor 0603 3.3KΩ J 1/10W(RoHS)	1	R601	B5F
137	3001063330010	Chip resistor 0603 33KΩ J 1/10W (RoHS)	1	R172	B3E
138	3001063330010	Chip resistor 0603 33KΩ J 1/10W (RoHS)	1	R24	T2G
139	3001063340000	Chip resistor 0603 330KΩ J 1/10W(RoHS)	1	R43	T2A
140	3001063920000	Chip resistor 0603 3.9KΩ J 1/10W(RoHS)	1	R135	B2J
141	3001063920000	Chip resistor 0603 3.9KΩ J 1/10W(RoHS)	1	R136	B2J
142	3001063920000	Chip resistor 0603 3.9KΩ J 1/10W(RoHS)	1	R137	B2I
143	3001063920000	Chip resistor 0603 3.9KΩ J 1/10W(RoHS)	1	R138	B1I
144	3001063920000	Chip resistor 0603 3.9KΩ J 1/10W(RoHS)	1	R81	B3E
145	3001063930010	Chip resistor 0603 39KΩ J 1/10W(RoHS)	1	R102	B2C
146	3001063930010	Chip resistor 0603 39KΩ J 1/10W(RoHS)	1	R104	B2D
147	3001063930010	Chip resistor 0603 39KΩ J 1/10W(RoHS)	1	R152	T5F
148	3001063930010	Chip resistor 0603 39KΩ J 1/10W(RoHS)	1	R153	T5F
149	3001063930010	Chip resistor 0603 39KΩ J 1/10W(RoHS)	1	R158	T5F
150	3001063930010	Chip resistor 0603 39KΩ J 1/10W(RoHS)	1	R159	T5E
151	3001063930010	Chip resistor 0603 39KΩ J 1/10W(RoHS)	1	R182	B2H
152	3001063930010	Chip resistor 0603 39KΩ J 1/10W(RoHS)	1	R192	B2F
153	3001064700000	Chip resistor 0603 47Ω J 1/10W(RoHS)	1	R115	B5J
154	3001064700000	Chip resistor 0603 47Ω J 1/10W(RoHS)	1	R123	B3D
155	3001064700000	Chip resistor 0603 47Ω J 1/10W(RoHS)	1	R125	B3C
156	3001064700000	Chip resistor 0603 47Ω J 1/10W(RoHS)	1	R191	B4J
157	3001064710000	Chip resistor 0603 470Ω J 1/10W(RoHS)	1	R166	B2E
158	3001064720000	Chip resistor 0603 4.7KΩ J 1/10W(RoHS)	1	R121	T1B
159	3001064720000	Chip resistor 0603 4.7KΩ J 1/10W(RoHS)	1	R177	T2A
160	3001064720000	Chip resistor 0603 4.7KΩ J 1/10W(RoHS)	1	R71	T4A
161	3001064720000	Chip resistor 0603 4.7KΩ J 1/10W(RoHS)	1	R73	T4A
162	3001064720000	Chip resistor 0603 4.7KΩ J 1/10W(RoHS)	1	R84	B4H
163	3001064720000	Chip resistor 0603 4.7KΩ J 1/10W(RoHS)	1	R87	T2A
164	3001064720000	Chip resistor 0603 4.7KΩ J 1/10W(RoHS)	1	R88	T1C
165	3001064720000	Chip resistor 0603 4.7KΩ J 1/10W(RoHS)	1	R99	T1B
166	3001064730000	Chip resistor 0603 47KΩ J 1/10W(RoHS)	1	R105	B5F
167	3001064730000	Chip resistor 0603 47KΩ J 1/10W(RoHS)	1	R181	B3H
168	3001064730000	Chip resistor 0603 47KΩ J 1/10W(RoHS)	1	R183	B3H
169	3001064730000	Chip resistor 0603 47KΩ J 1/10W(RoHS)	1	R23	B3H
170	3001064730000	Chip resistor 0603 47KΩ J 1/10W(RoHS)	1	R4	T2B
171	3001064730000	Chip resistor 0603 47KΩ J 1/10W(RoHS)	1	R54	T3G
172	3001064730000	Chip resistor 0603 47KΩ J 1/10W(RoHS)	1	R606	T3I

No.	Material No.	Description	Qty	Ref. No.	Address
173	3001064730000	Chip resistor 0603 47KΩ J 1/10W(RoHS)	1	R607	T3I
174	3001064730000	Chip resistor 0603 47KΩ J 1/10W(RoHS)	1	R608	T3I
175	3001064730000	Chip resistor 0603 47KΩ J 1/10W(RoHS)	1	R609	T3I
176	3001064730000	Chip resistor 0603 47KΩ J 1/10W(RoHS)	1	R610	T2C
177	3001064730000	Chip resistor 0603 47KΩ J 1/10W(RoHS)	1	R86	B4F
178	3001064730000	Chip resistor 0603 47KΩ J 1/10W(RoHS)	1	R93	T2F
179	3001064740010	Chip resistor 0603 470KΩ J 1/10W(RoHS)	1	R22	T1D
180	3001064740010	Chip resistor 0603 470KΩ J 1/10W(RoHS)	1	R91	T2F
181	3001065610000	Chip resistor 0603 560Ω J 1/10W(RoHS)	1	R118	B4B
182	3001065610000	Chip resistor 0603 560Ω J 1/10W(RoHS)	1	R62	B4B
183	3001065620010	Chip resistor 0603 5.6KΩ J 1/10W(RoHS)	1	R180	B3H
184	3001065620010	Chip resistor 0603 5.6KΩ J 1/10W(RoHS)	1	R79	B4G
185	3001065630000	Chip resistor 0603 56KΩ J 1/10W(RoHS)	1	R101	B2C
186	3001065630000	Chip resistor 0603 56KΩ J 1/10W(RoHS)	1	R103	B2D
187	3001065630000	Chip resistor 0603 56KΩ J 1/10W(RoHS)	1	R149	B3F
188	3001065630000	Chip resistor 0603 56KΩ J 1/10W(RoHS)	1	R157	T4F
189	3001065640000	Chip resistor 0603 560KΩ J 1/10W(RoHS)	1	R148	B2G
190	3001066820000	Chip resistor 0603 6.8KΩ J 1/10W(RoHS)	1	R85	T4F
191	3001066830000	Chip resistor 0603 68KΩ J 1/10W(RoHS)	1	R200	B4I
192	3001066840000	Chip resistor 0603 680KΩ J 1/10W(RoHS)	1	R1	B2I
193	3001066840000	Chip resistor 0603 680KΩ J 1/10W(RoHS)	1	R134	B3H
194	3001067540000	Chip resistor 0603 750KΩ J 1/10W(RoHS)	1	R160	T4G
195	3001068210010	Chip resistor 0603 820Ω J 1/10W (RoHS)	1	R66	B5E
196	3001068210010	Chip resistor 0603 820Ω J 1/10W (RoHS)	1	R70	B3E
197	3001068220000	Chip resistor 0603 8.2KΩ J 1/10W(RoHS)	1	R628	T2E
198	3001068230010	Chip resistor 0603 82KΩ J 1/10W(RoHS)	1	R128	B4I
199	3001068230010	Chip resistor 0603 82KΩ J 1/10W(RoHS)	1	R133	T2C
200	3001070000000	Chip resistor 0805 0Ω J 1/8W(RoHS)	1	C202	B4I
201	3001070000000	Chip resistor 0805 0Ω J 1/8W(RoHS)	1	L9	B3I
202	3001080590000	Chip resistor 1206 0.5Ω J 1/4W(RoHS)	1	R188	T2H
203	3001080590000	Chip resistor 1206 0.5Ω J 1/4W(RoHS)	1	R189	T2I
204	3001080590000	Chip resistor 1206 0.5Ω J 1/4W(RoHS)	1	R77	T2H
205	3002994730000	Trimmer resistor 2.7*2.0*1.6 47KΩ ±25% (RoHS)	1	VR2	T5E
206	3002994730000	Trimmer resistor 2.7*2.0*1.6 47KΩ ±25% (RoHS)	1	VR6	T5G
207	3002994730000	Trimmer resistor 2.7*2.0*1.6 47KΩ ±25% (RoHS)	1	VR8	T2G
208	3002996830000	Trimmer resistor(2*2) 68KΩ(+25%) (RoHS)	1	VR3	T4E
209	3002996830000	Trimmer resistor(2*2) 68KΩ(+25%) (RoHS)	1	VR4	T1B
210	3002996830000	Trimmer resistor(2*2) 68KΩ(+25%) (RoHS)	1	VR7	T1E
211	3005991030070	Resistor array 0603 10KΩ*4 J 1/16W*4 (RoHS)	1	CP1	T1B
212	3005991030070	Resistor array 0603 10KΩ*4 J 1/16W*4 (RoHS)	1	CP6	T4A
213	3005991030070	Resistor array 0603 10KΩ*4 J 1/16W*4 (RoHS)	1	CP7	T4B
214	3005061030040	Resistor array 0603 10KΩ*2 J 1/16W (RoHS)	1	CP5	T1B
215	3005061030040	Resistor array 0603 10KΩ*2 J 1/16W (RoHS)	1	CP8	T4B
216	3005064720000	Resistor array 0603 4.7KΩ*2 J 1/16W (RoHS)	1	CP10	T4A

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217	3005064720000	Resistor array 0603 4.7K $\Omega$ *2 J 1/16W (RoHS)	1	CP4	T1B
218	3005064720010	Resistor array 0603 4.7K $\Omega$ *4 J 1/16W*4 (RoHS)	1	CP3	T1B
219	3005064720010	Resistor array 0603 4.7K $\Omega$ *4 J 1/16W*4 (RoHS)	1	CP9	T4A
220	3101050400010	Chip capacitor 0402 4PF B 50V (RoHS)	1	C164	B2D
221	3101050500010	Chip capacitor 0402 5PF B 50V (RoHS)	1	C116	B2F
222	3101050500010	Chip capacitor 0402 5PF B 50V (RoHS)	1	C186	B4H
223	3101050500010	Chip capacitor 0402 5PF B 50V (RoHS)	1	C196	B3F
224	3101050500010	Chip capacitor 0402 5PF B 50V (RoHS)	1	C199	B3B
225	3101050590020	Chip capacitor 0402 0.5PF B 50V (RoHS)	1	C91	B4G
226	3101050590020	Chip capacitor 0402 0.5PF B 50V (RoHS)	1	C95	B5F
227	3101050700010	Chip capacitor 0402 7PF B 50V (RoHS)	1	C130	B3J
228	3101050800000	Chip capacitor 0402 8PF B 50V (RoHS)	1	C182	B5G
229	3101051010030	Chip capacitor 0402 100PF J 50V (RoHS)	1	C131	B4I
230	3101051010030	Chip capacitor 0402 100PF J 50V (RoHS)	1	C132	B4G
231	3101051010030	Chip capacitor 0402 100PF J 50V (RoHS)	1	C148	B2G
232	3101051010030	Chip capacitor 0402 100PF J 50V (RoHS)	1	C15	B4J
233	3101051010030	Chip capacitor 0402 100PF J 50V (RoHS)	1	C16	B4J
234	3101051010030	Chip capacitor 0402 100PF J 50V (RoHS)	1	C17	B4J
235	3101051010030	Chip capacitor 0402 100PF J 50V (RoHS)	1	C179	B3G
236	3101051010030	Chip capacitor 0402 100PF J 50V (RoHS)	1	C180	B4J
237	3101051010030	Chip capacitor 0402 100PF J 50V (RoHS)	1	C213	T3E
238	3101051010030	Chip capacitor 0402 100PF J 50V(RoHS)	1	C237	T1H
239	3101051010030	Chip capacitor 0402 100PF J 50V(RoHS)	1	C88	B5F
240	3101051020010	Chip capacitor 0402 1000PF K 50V (RoHS)	1	C109	B4H
241	3101051020010	Chip capacitor 0402 1000PF K 50V (RoHS)	1	C110	B4H
242	3101051020010	Chip capacitor 0402 1000PF K 50V (RoHS)	1	C111	B2D
243	3101051020010	Chip capacitor 0402 1000PF K 50V (RoHS)	1	C113	B4I
244	3101051020010	Chip capacitor 0402 1000PF K 50V (RoHS)	1	C114	B3D
245	3101051020010	Chip capacitor 0402 1000PF K 50V (RoHS)	1	C121	B4F
246	3101051020010	Chip capacitor 0402 1000PF K 50V (RoHS)	1	C147	B2B
247	3101051020010	Chip capacitor 0402 1000PF K 50V (RoHS)	1	C205	B4F
248	3101051020010	Chip capacitor 0402 1000PF K 50V (RoHS)	1	C207	B3E
249	3101051020010	Chip capacitor 0402 1000PF K 50V (RoHS)	1	C219	T3C
250	3101051020010	Chip capacitor 0402 1000PF K 50V (RoHS)	1	C24	B2E
251	3101051020010	Chip capacitor 0402 1000PF K 50V (RoHS)	1	C30	B2B
252	3101051020010	Chip capacitor 0402 1000PF K 50V (RoHS)	1	C32	B1F
253	3101051020010	Chip capacitor 0402 1000PF K 50V (RoHS)	1	C33	B1E
254	3101051020010	Chip capacitor 0402 1000PF K 50V (RoHS)	1	C42	B3D
255	3101051020010	Chip capacitor 0402 1000PF K 50V (RoHS)	1	C59	B5D
256	3101051020010	Chip capacitor 0402 1000PF K 50V (RoHS)	1	C60	B5D
257	3101051020010	Chip capacitor 0402 1000PF K 50V (RoHS)	1	C61	B4D
258	3101051020010	Chip capacitor 0402 1000PF K 50V (RoHS)	1	C62	B4D
259	3101051020010	Chip capacitor 0402 1000PF K 50V (RoHS)	1	C65	B5H
260	3101051020010	Chip capacitor 0402 1000PF K 50V (RoHS)	1	C66	T1E



No.	Material No.	Description	Qty	Ref. No.	Address
261	3101051020010	Chip capacitor 0402 1000PF K 50V (RoHS)	1	C67	B3C
262	3101051020010	Chip capacitor 0402 1000PF K 50V (RoHS)	1	C68	B3C
263	3101051020010	Chip capacitor 0402 1000PF K 50V (RoHS)	1	C69	B3I
264	3101051020010	Chip capacitor 0402 1000PF K 50V (RoHS)	1	C70	B2J
265	3101051020010	Chip capacitor 0402 1000PF K 50V (RoHS)	1	C71	B1I
266	3101051020010	Chip capacitor 0402 1000PF K 50V (RoHS)	1	C73	B3F
267	3101051020010	Chip capacitor 0402 1000PF K 50V (RoHS)	1	C74	B2F
268	3101051020010	Chip capacitor 0402 1000PF K 50V (RoHS)	1	C75	T4F
269	3101051020010	Chip capacitor 0402 1000PF K 50V (RoHS)	1	C76	T4G
270	3101051020010	Chip capacitor 0402 1000PF K 50V (RoHS)	1	C77	T4G
271	3101051020010	Chip capacitor 0402 1000PF K 50V (RoHS)	1	C78	T2D
272	3101051020010	Chip capacitor 0402 1000PF K 50V (RoHS)	1	C79	T1E
273	3101051020010	Chip capacitor 0402 1000PF K 50V (RoHS)	1	C80	T1D
274	3101051020010	Chip capacitor 0402 1000PF K 50V (RoHS)	1	C81	T1C
275	3101051020010	Chip capacitor 0402 1000PF K 50V (RoHS)	1	C82	B4B
276	3101051020010	Chip capacitor 0402 1000PF K 50V (RoHS)	1	C83	B4B
277	3101051030020	Chip capacitor 0402 0.01UF K 25V (RoHS)	1	C10	T5G
278	3101051030020	Chip capacitor 0402 0.01UF K 25V (RoHS)	1	C11	T1B
279	3101051030020	Chip capacitor 0402 0.01UF K 25V (RoHS)	1	C12	B3B
280	3101051030020	Chip capacitor 0402 0.01UF K 25V (RoHS)	1	C122	T2E
281	3101051030020	Chip capacitor 0402 0.01UF K 25V (RoHS)	1	C127	B2I
282	3101051030020	Chip capacitor 0402 0.01UF K 25V (RoHS)	1	C137	T2I
283	3101051030020	Chip capacitor 0402 0.01UF K 25V (RoHS)	1	C183	B3I
284	3101051030020	Chip capacitor 0402 0.01UF K 25V (RoHS)	1	C2	B2I
285	3101051030020	Chip capacitor 0402 0.01UF K 25V (RoHS)	1	C240	T3J
286	3101051030020	Chip capacitor 0402 0.01UF K 25V (RoHS)	1	C241	T3J
287	3101051030020	Chip capacitor 0402 0.01UF K 25V (RoHS)	1	C242	T3J
288	3101051030020	Chip capacitor 0402 0.01UF K 25V (RoHS)	1	C243	T3J
289	3101051030020	Chip capacitor 0402 0.01UF K 25V (RoHS)	1	C3	B2I
290	3101051030020	Chip capacitor 0402 0.01UF K 25V (RoHS)	1	C4	B2H
291	3101051030020	Chip capacitor 0402 0.01UF K 25V (RoHS)	1	C5	B5E
292	3101051030020	Chip capacitor 0402 0.01UF K 25V (RoHS)	1	C7	B4H
293	3101051030020	Chip capacitor 0402 0.01UF K 25V (RoHS)	1	C8	B2J
294	3101051030020	Chip capacitor 0402 0.01UF K 25V (RoHS)	1	C9	T5F
295	3101051100010	Chip capacitor 0402 11PF J 50V (RoHS)	1	C143	B2A
296	3101051100010	Chip capacitor 0402 11PF J 50V (RoHS)	1	C146	B2A
297	3101051200020	Chip capacitor 0402 12PF J 50V (RoHS)	1	C56	B3F
298	3101051500020	Chip capacitor 0402 15PF J 50V (RoHS)	1	C100	B4G
299	3101051500020	Chip capacitor 0402 15PF J 50V (RoHS)	1	C104	B2D
300	3101051500020	Chip capacitor 0402 15PF J 50V (RoHS)	1	C119	B1F
301	3101051500020	Chip capacitor 0402 15PF J 50V (RoHS)	1	C193	B5G
302	3101051500020	Chip capacitor 0402 15PF J 50V (RoHS)	1	C98	B3D
303	3101051500020	Chip capacitor 0402 15PF J 50V (RoHS)	1	C99	T2D
304	3101051500020	Chip capacitor 0402 15PF J 50V (RoHS)	1	L45	B4G

No.	Material No.	Description	Qty	Ref. No.	Address
305	3101051820000	Chip capacitor 0402 1800PF K 50V(RoHS)	1	C172	T5F
306	3101052200010	Chip capacitor 0402 22PF J 50V (RoHS)	1	C97	B4F
307	3101052210010	Chip capacitor 0402 220PF K 50V (RoHS)	1	C13	B2I
308	3101052210010	Chip capacitor 0402 220PF K 50V (RoHS)	1	C14	B2I
309	3101052210010	Chip capacitor 0402 220PF K 50V (RoHS)	1	C239	T5I
310	3101052230000	Chip capacitor 0402 0.022UF K 16V(RoHS)	1	C150	B2I
311	3101052230000	Chip capacitor 0402 0.022UF K 16V(RoHS)	1	C167	T5F
312	3101052230000	Chip capacitor 0402 0.022UF K 16V(RoHS)	1	C168	T4G
313	3101052230000	Chip capacitor 0402 0.022UF K 16V(RoHS)	1	C169	T4G
314	3101052230000	Chip capacitor 0402 0.022UF K 16V(RoHS)	1	C170	T1B
315	3101052230000	Chip capacitor 0402 0.022UF K 16V(RoHS)	1	C57	B2G
316	3101052700000	Chip capacitor 0402 27PF J 50V (RoHS)	1	C128	B4J
317	3101052700000	Chip capacitor 0402 27PF J 50V (RoHS)	1	C141	B2B
318	3101052700000	Chip capacitor 0402 27PF J 50V (RoHS)	1	C142	B2B
319	3101052700000	Chip capacitor 0402 27PF J 50V (RoHS)	1	C18	B1I
320	3101053300000	Chip capacitor 0402 33PF J 50V (RoHS)	1	C134	B1C
321	3101053300000	Chip capacitor 0402 33PF J 50V (RoHS)	1	C135	B3F
322	3101053300000	Chip capacitor 0402 33PF J 50V (RoHS)	1	C175	T2B
323	3101053300000	Chip capacitor 0402 33PF J 50V (RoHS)	1	C176	T3B
324	3101053300000	Chip capacitor 0402 33PF J 50V (RoHS)	1	C211	B3F
325	3101053300000	Chip capacitor 0402 33PF J 50V (RoHS)	1	C52	B2I
326	3101053300000	Chip capacitor 0402 33PF J 50V (RoHS)	1	C53	B2I
327	3101053300000	Chip capacitor 0402 33PF J 50V (RoHS)	1	C54	B2G
328	3101053300000	Chip capacitor 0402 33PF J 50V (RoHS)	1	C96	B4G
329	3101053320010	Chip capacitor 0402 3300PF K 50V (RoHS)	1	C166	T5F
330	3101053330000	Chip capacitor 0402 0.033UF K 16V(RoHS)	1	C151	B2J
331	3101053330000	Chip capacitor 0402 0.033UF K 16V(RoHS)	1	C152	B2I
332	3101053330000	Chip capacitor 0402 0.033UF K 16V(RoHS)	1	C153	B2I
333	3101053330000	Chip capacitor 0402 0.033UF K 16V(RoHS)	1	C156	B1I
334	3101053330000	Chip capacitor 0402 0.033UF K 16V(RoHS)	1	C160	B3G
335	3101053330000	Chip capacitor 0402 0.033UF K 16V(RoHS)	1	C161	T2C
336	3101053330000	Chip capacitor 0402 0.033UF K 16V(RoHS)	1	C185	T4A
337	3101053330000	Chip capacitor 0402 0.033UF K 16V(RoHS)	1	C189	B5D
338	3101053900000	Chip capacitor 0402 39PF J 50V(RoHS)	1	C136	B2C
339	3101053920000	Chip capacitor 0402 3900PF K 25V(RoHS)	1	C181	T2C
340	3101054700010	Chip capacitor 0402 47PF J 50V (RoHS)	1	C129	B4J
341	3101054700010	Chip capacitor 0402 47PF J 50V (RoHS)	1	C138	B3C
342	3101054710010	Chip capacitor 0402 470PF K 50V (RoHS)	1	C149	B4D
343	3101054710010	Chip capacitor 0402 470PF K 50V (RoHS)	1	C154	T2G
344	3101054710010	Chip capacitor 0402 470PF K 50V (RoHS)	1	C197	B3I
345	3101054710010	Chip capacitor 0402 470PF K 50V (RoHS)	1	C20	B2I
346	3101054710010	Chip capacitor 0402 470PF K 50V (RoHS)	1	C204	B3E
347	3101054710010	Chip capacitor 0402 470PF K 50V (RoHS)	1	C208	B2A
348	3101054710010	Chip capacitor 0402 470PF K 50V (RoHS)	1	C21	B4F

No.	Material No.	Description	Qty	Ref. No.	Address
349	3101054710010	Chip capacitor 0402 470PF K 50V (RoHS)	1	C217	T2H
350	3101054710010	Chip capacitor 0402 470PF K 50V (RoHS)	1	C218	T1G
351	3101054710010	Chip capacitor 0402 470PF K 50V (RoHS)	1	C22	B4G
352	3101054710010	Chip capacitor 0402 470PF K 50V (RoHS)	1	C230	T2G
353	3101054710010	Chip capacitor 0402 470PF K 50V (RoHS)	1	C231	B5H
354	3101054710010	Chip capacitor 0402 470PF K 50V (RoHS)	1	C25	B4I
355	3101054710010	Chip capacitor 0402 470PF K 50V (RoHS)	1	C26	B4I
356	3101054710010	Chip capacitor 0402 470PF K 50V (RoHS)	1	C27	B3D
357	3101054710010	Chip capacitor 0402 470PF K 50V (RoHS)	1	C28	B2C
358	3101054710010	Chip capacitor 0402 470PF K 50V (RoHS)	1	C29	B3B
359	3101054710010	Chip capacitor 0402 470PF K 50V (RoHS)	1	C31	B4G
360	3101054710010	Chip capacitor 0402 470PF K 50V (RoHS)	1	C34	T5G
361	3101054710010	Chip capacitor 0402 470PF K 50V (RoHS)	1	C35	B2E
362	3101054710010	Chip capacitor 0402 470PF K 50V (RoHS)	1	C36	B2F
363	3101054730000	Chip capacitor 0402 0.047UF K 10V(RoHS)	1	C157	T5F
364	3101054730000	Chip capacitor 0402 0.047UF K 10V(RoHS)	1	C158	T4E
365	3101054730000	Chip capacitor 0402 0.047UF K 10V(RoHS)	1	C162	B3H
366	3101054730000	Chip capacitor 0402 0.047UF K 10V(RoHS)	1	C212	T3F
367	3101055610000	Chip capacitor 0402 560PF K 50V(RoHS)	1	C171	T5F
368	3101056820000	Chip capacitor 0402 6800PF K 25V(RoHS)	1	C188	B5D
369	3101056820000	Chip capacitor 0402 6800PF K 25V(RoHS)	1	C192	T3A
370	3101056820000	Chip capacitor 0402 6800PF K 25V(RoHS)	1	C23	T3A
371	3101058200000	Chip capacitor 0402 82PF J 50V (RoHS)	1	C58	B2H
372	3101058210010	Chip capacitor 0402 820PF K 50V(RoHS)	1	C201	B4F
373	3101060500010	Chip capacitor 0603 5PF B 50V (RoHS)	1	C94	B2F
374	3101061010010	Chip capacitor 0603 100PF J 50V (RoHS)	1	C19	B5H
375	3101061010010	Chip capacitor 0603 100PF J 50V (RoHS)	1	R162	T4G
376	3101061020000	Chip capacitor 0603 1000PF K 50V (RoHS)	1	C198	T4G
377	3101061020000	Chip capacitor 0603 1000PF K 50V (RoHS)	1	C235	B2A
378	3101061020000	Chip capacitor 0603 1000PF K 50V (RoHS)	1	C63	B5G
379	3101061020000	Chip capacitor 0603 1000PF K 50V (RoHS)	1	C72	B3G
380	3101061020000	Chip capacitor 0603 1000PF K 50V (RoHS)	1	R111	B2F
381	3101061030010	Chip capacitor 0603 0.01UF K 25V(RoHS)	1	C90	B5G
382	3101061040010	Chip capacitor 0603 0.1UF K 16V (RoHS)	1	C48	T4G
383	3101061040010	Chip capacitor 0603 0.1UF K 16V (RoHS)	1	C49	T4G
384	3101061040010	Chip capacitor 0603 0.1UF K 16V (RoHS)	1	R205	T2H
385	3101062230020	Chip capacitor 0603 0.022UF K 25V (RoHS)	1	R112	B3I
386	3101064710000	Chip capacitor 0603 470PF K 50V (RoHS)	1	C215	T4H
387	3101064740020	Chip capacitor 0603 0.47UF Z 16V(RoHS)	1	C216	T3I
388	3101065620010	Chip capacitor 0603 5600PF K 50V (RoHS)	1	R198	T4E
389	3101071020010	Chip capacitor 0805 1000PF K 50V (RoHS)	1	L36	B1E
390	3101071040000	Chip capacitor 0805 0.1UF K 25V(RoHS)	1	C194	T4H
391	3101072240000	Chip capacitor 0805 0.22UF K 25V(RoHS)	1	C123	B5I
392	3101073340000	Chip capacitor 0805 0.33UF K 16V(RoHS)	1	C126	B5J

No.	Material No.	Description	Qty	Ref. No.	Address
393	3102992000000	Trimmer capacitor 3.2*2.5*1.25mm 6P 55V (RoHS)	1	TC2	B5H
394	3102992000040	Trimmer capacitor 3.2*2.5*1.25mm 10P 55V (RoHS)	1	TC1	B5G
395	3102992000040	Trimmer capacitor 3.2*2.5*1.25mm 10P 55V (RoHS)	1	TC3	B2D
396	3102992000040	Trimmer capacitor 3.2*2.5*1.25mm 10P 55V (RoHS)	1	TC4	B1E
397	3102992000040	Trimmer capacitor 3.2*2.5*1.25mm 10P 55V (RoHS)	1	TC5	B2F
398	3102992000040	Trimmer capacitor 3.2*2.5*1.25mm 10P 55V (RoHS)	1	TC6	B3I
399	3104081050000	Tantalum capacitor 1206 1UF M 16V (RoHS)	1	C174	T3F
400	3104081060080	Tantalum capacitor 1206 10UF M 10V (RoHS)	1	C1	B2I
401	3104081060080	Tantalum capacitor 1206 10UF M 10V (RoHS)	1	C118	T2E
402	3104081060080	Tantalum capacitor 1206 10UF M 10V (RoHS)	1	C125	B2E
403	3104081060080	Tantalum capacitor 1206 10UF M 10V (RoHS)	1	C155	B2J
404	3104081060080	Tantalum capacitor 1206 10UF M 10V (RoHS)	1	C159	B2I
405	3104081060080	Tantalum capacitor 1206 10UF M 10V (RoHS)	1	C234	T3E
406	3104081560020	Tantalum capacitor 1206 15UF M 10V (RoHS)	1	C115	B4H
407	3104081560020	Tantalum capacitor 1206 15UF M 10V (RoHS)	1	C177	T1D
408	3104082250030	Tantalum capacitor 1206 2.2UF K 16V (RoHS)	1	C165	T5F
409	3104084750030	Tantalum capacitor 1206 4.7UF K 16V (RoHS)	1	C117	B5I
410	3104084750030	Tantalum capacitor 1206 4.7UF K 16V (RoHS)	1	C120	B4D
411	3104084750030	Tantalum capacitor 1206 4.7UF K 16V (RoHS)	1	C124	B5I
412	3104084750030	Tantalum capacitor 1206 4.7UF K 16V (RoHS)	1	C173	T4F
413	3104202270000	Tantalum capacitor C-encapsulation 220UF M 6.3V (RoHS)	1	C203	T5G
414	3199060758000	Chip capacitor 0603 0.75PF B 50V (RoHS)	1	C92	B4H
415	3210108270000	Bobbin inductor 1206 27nH (RoHS)	1	L16	B4H
416	3210108330000	Bobbin inductor 1206 33nH (RoHS)	1	L44	B5G
417	3212105101000	Multi-layer chip inductor 0402 100nH (RoHS)	1	L18	B4G
418	3212105101000	Multi-layer chip inductor 0402 100nH (RoHS)	1	L19	B4G
419	3212105101000	Multi-layer chip inductor 0402 100nH (RoHS)	1	L25	B3F
420	3212105560000	Multi-layer chip inductor 0402 56nH (RoHS)	1	L21	B3D
421	3213212181000	Multi-layer chip inductor 1008 180nH (RoHS)	1	L40	B1F
422	3213212331000	Multi-layer chip inductor 1008 330nH (RoHS)	1	L2	B3C
423	3213212331000	Multi-layer chip inductor 1008 330nH (RoHS)	1	L43	B1A
424	3213212331000	Multi-layer chip inductor 1008 330nH (RoHS)	1	L49	B3F
425	3213212561000	Multi-layer chip inductor 1008 0.56uH (RoHS)	1	L37	B3F
426	3213306102000	Multi-layer chip inductor 0603 1uH (RoHS)	1	L1	B2I
427	3213306102000	Multi-layer chip inductor 0603 1uH (RoHS)	1	L14	T4H
428	3213306221010	Multi-layer chip inductor 0603 0.22uH (RoHS)	1	L41	T2E
429	3213306332000	Multi-layer chip inductor 0603 3.3uH (RoHS)	1	L4	B2A
430	3213306682000	Multi-layer chip inductor 0603 6.8uH (RoHS)	1	L17	B5H
431	3213306682000	Multi-layer chip inductor 0603 6.8uH (RoHS)	1	L20	B4F
432	3213306682000	Multi-layer chip inductor 0603 6.8uH (RoHS)	1	L48	B5H
433	3213306682000	Multi-layer chip inductor 0603 6.8uH (RoHS)	1	L5	B5F
434	3213306682000	Multi-layer chip inductor 0603 6.8uH (RoHS)	1	L6	B4G
435	3215007820000	Multi-layer chip inductor 0805 82nH (RoHS)	1	L32	B2F
436	3215007820000	Multi-layer chip inductor 0805 82nH (RoHS)	1	L39	B1F

No.	Material No.	Description	Qty	Ref. No.	Address
437	3215107180000	Bobbin inductor 0805 18nH (RoHS)	1	L3	B3C
438	3215107390000	Bobbin inductor 0805 39nH (RoHS)	1	L33	B2D
439	3215107680000	Bobbin inductor 0805 68nH (RoHS)	1	L31	B2D
440	3215107680000	Bobbin inductor 0805 68nH (RoHS)	1	L34	B1F
441	3215107680000	Bobbin inductor 0805 68nH (RoHS)	1	L35	B2F
442	3215107680000	Bobbin inductor 0805 68nH (RoHS)	1	L38	B2E
443	3221506601000	Chip ferrite bead 0603 600Ω±25% (RoHS)	1	L12	B3E
444	3221506601000	Chip ferrite bead 0603 600Ω±25% (RoHS)	1	L13	B4I
445	3221506601000	Chip ferrite bead 0603 600Ω±25% (RoHS)	1	L7	B4G
446	3221506601000	Chip ferrite bead 0603 600Ω±25% (RoHS)	1	L8	B5J
447	3221507221000	Chip ferrite bead 0805 220Ω±25% (RoHS)	1	L11	B3C
448	3221507600000	Chip ferrite bead 0805 60Ω±25% (RoHS)	1	L10	B3B
449	3221507600000	Chip ferrite bead 0805 60Ω±25% (RoHS)	1	L15	B4D
450	3231351640000	Air-core inductor E2-0.35*1.6*4TL (RoHS)	1	L23	B2B
451	3231351640000	Air-core inductor E2-0.35*1.6*4TL (RoHS)	1	L24	B2B
452	3231351650000	Air-core inductor E2-0.35*1.6*5TL (RoHS)	1	L30	B3B
453	3231351660000	Air-core inductor E2-0.35*1.6*6TR (RoHS)	1	L28	B2A
454	3231351670000	Air-core inductor E2-0.35*1.6*7TR (RoHS)	1	L22	B2C
455	3303010500290	Switching diode 1SS372(TE85L.F) (RoHS)	1	D18	T4F
456	3303020100020	Switching diode MA2S11100L (RoHS)	1	D9	B4H
457	3303020100070	Switching diode MA2Z07700L (RoHS)	1	D11	B2A
458	3303020100070	Switching diode MA2Z07700L (RoHS)	1	D14	B2B
459	3303020100080	Switching diode MA2S07700L (RoHS)	1	D12	B1C
460	3303020100080	Switching diode MA2S07700L (RoHS)	1	D5	B3E
461	3303020100080	Switching diode MA2S07700L (RoHS)	1	D6	B3E
462	3303030100010	Switching diode DAN222(TL) (ROHS)	1	D19	T4G
463	3303210200000	Varactor MA2S37600L (RoHS)	1	D7	B5H
464	3304010100690	Varactor 1SV269(TPH2.F) (RoHS)	1	D10	B4I
465	3304010100990	Varactor 1SV282(TH3.F.T) (RoHS)	1	D2	B4F
466	3304010101090	Varactor 1SV283(TPH3.F.T) (RoHS)	1	D8	B5H
467	3304060300040	Varactor HVC362TRF-E (RoHS)	1	D3	B4G
468	3307110100080	LED KPT-1608SGC (RoHS)	1	D22	T3J
469	3307110100070	LED KPT-1608SRC (RoHS)	1	D24	T3J
470	3399990000160	Varactor MA2Z36000L (RoHS)	1	D4	B5F
471	3401001000080	Transistor 2SA1362-GR(TE85.F) (RoHS)	1	Q40	T3F
472	3401002000990	Transistor 2SC5108-Y(TE85L.F) (RoHS)	1	Q13	B4I
473	3401002000990	Transistor 2SC5108-Y(TE86L.F) (RoHS)	1	Q14	B4G
474	3401002000990	Transistor 2SC5108-Y(TE87L.F) (RoHS)	1	Q22	B2G
475	3403007000000	Transistor DTA114EE(TL) (RoHS)	1	Q10	B2G
476	3403007000020	Transistor DTA114YE(TL) (RoHS)	1	Q33	B3I
477	3403007000020	Transistor DTA114YE(TL) (RoHS)	1	Q34	T2B
478	3403007000020	Transistor DTA114YE(TL) (RoHS)	1	Q9	T2B
479	3403007000070	Transistor DTA144EE (RoHS)	1	Q38	T2G
480	3403008000010	Transistor DTC114EE(TL) (RoHS)	1	Q28	B4A

No.	Material No.	Description	Qty	Ref. No.	Address
481	3403008000010	Transistor DTC114EE(TL) (RoHS)	1	Q30	B4A
482	3403008000010	Transistor DTC114EE(TL) (RoHS)	1	Q35	T2B
483	3403008000010	Transistor DTC114EE(TL) (RoHS)	1	Q36	T2G
484	3403008000070	Transistor DTC144EE(TL) (RoHS)	1	Q12	T2E
485	3403008000070	Transistor DTC144EE(TL) (RoHS)	1	Q37	T2F
486	3403009000010	Transistor UMG3N(N-TR) (RoHS)	1	Q1	B5E
487	3403009000010	Transistor UMG3N(N-TR) (RoHS)	1	Q2	B4E
488	3406001000090	Transistor 2SC4988FRTR-E (RoHS)	1	Q17	B3D
489	3408002000030	Transistor 2SC4226-R24-A (RoHS)	1	Q15	B4G
490	3411002000020	Transistor 2SC5343EG (RoHS)	1	Q18	B4G
491	3411002000020	Transistor 2SC5343EG (RoHS)	1	Q19	B2J
492	3411002000020	Transistor 2SC5343EG (RoHS)	1	Q20	B2J
493	3411002000020	Transistor 2SC5343EG (RoHS)	1	Q24	T5F
494	3411002000020	Transistor 2SC5343EG (RoHS)	1	Q25	T5F
495	3411002000020	Transistor 2SC5343EG (RoHS)	1	Q26	T4G
496	3499000000150	Transistor UMC4(NTR) (RoHS)	1	Q7	B5G
497	3499000000180	Transistor UFM717 (RoHS)	1	Q4	B5E
498	3499000000180	Transistor UFM717 (RoHS)	1	Q5	B5E
499	3501020000030	FET 3SK318YB-TL-E-Q (RoHS)	1	Q23	B3F
500	3501020000030	FET 3SK318YB-TL-E-Q (RoHS)	1	Q27	B2F
501	3502010000090	FET 2SK1875-V(TE85L.F) (RoHS)	1	Q16	B5G
502	3502010000090	FET 2SK1875-V(TE85L.F) (RoHS)	1	Q8	B4H
503	3503010000010	FET 2SJ243-T1-A (RoHS)	1	Q6	B5H
504	3503020000010	FET 2SK1588-T1-AZ (RoHS)	1	Q41	T3F
505	3503020000030	FET 2SK1824-T1-A (RoHS)	1	Q11	T2G
506	3503020000030	FET 2SK1824-T1-A (RoHS)	1	Q21	B1I
507	3503020000030	FET 2SK1824-T1-A (RoHS)	1	Q29	B4E
508	3503040000000	FET UPA572T-A (RoHS)	1	Q3	B4D
509	3504990000010	FET RD01MUS2-T113 (RoHS)	1	Q32	B3D
510	3504990000020	FET RD07MVS1-T112 (RoHS)	1	Q31	B3B
511	3603002005440	IF processor TA31136FNG(EL.HZ) (RoHS)	1	IC1	B2H
512	3603008005040	Operational amplifier NJM2902V (RoHS)	1	IC7	B3H
513	3604002055090	PLL TB31202FN-EL(ELP.HZ) (RoHS)	1	IC2	B4J
514	3605008005010	Operational amplifier NJM2100V (RoHS)	1	IC3	T4F
515	3605008005070	Operational amplifier NJM2904V (RoHS)	1	IC6	T2H
516	3608015000000	Power management IC (voltage regulator) XC6201P502PR 5V	1	IC4	T1D
517	3609004005280	Reset IC PST9140NR (RoHS)	1	IC9	T2A
518	3612031004400	Memory AT24C08AN-10SU-2.7 8K (RoHS)	1	IC5	T5B
519	3701737230020	Crystal 7.3728MHz DSX530GA (RoHS)	1	X3	T3A
520	3610045003030	SCM M38224M6A-371HP#U0 (RoHS)	1	IC11	T3C
521	3101050200010	Chip capacitor 0402 2PF B 50V (RoHS)	1	C140	B2B
522	3101050200010	Chip capacitor 0402 2PF B 50V (RoHS)	1	C163	B2D
523	3101051000020	Chip capacitor 0402 10PF J 50V (RoHS)	1	C103	B4I
524	3101051000020	Chip capacitor 0402 10PF J 50V (RoHS)	1	C106	B2F

No.	Material No.	Description	Qty	Ref. No.	Address
525	3101051000020	Chip capacitor 0402 10PF J 50V (RoHS)	1	C107	B2F
526	3101051000020	Chip capacitor 0402 10PF J 50V (RoHS)	1	C144	T4F
527	3101051000020	Chip capacitor 0402 10PF J 50V (RoHS)	1	C187	B4H
528	3101052000020	Chip capacitor 0402 20PF J 50V (RoHS)	1	C105	B2D
529	3101052000020	Chip capacitor 0402 20PF J 50V (RoHS)	1	C139	B2B
530	3101055620010	Chip capacitor 0402 5600PF K 25V (RoHS)	1	C47	B3G
531	3104071050010	Tantalum capacitor 0805 1UF M 16V (RoHS)	1	C200	T4E
532	3104071050010	Tantalum capacitor 0805 1UF M 16V (RoHS)	1	C85	B5D
533	3104071050010	Tantalum capacitor 0805 1UF M 16V (RoHS)	1	C86	B5F
534	3104071050010	Tantalum capacitor 0805 1UF M 16V (RoHS)	1	C87	B4D
535	3101051040060	Chip capacitor 0402 0.1UF K 16V (RoHS)	1	C133	B2I
536	3101051040060	Chip capacitor 0402 0.1UF K 16V (RoHS)	1	C178	T2B
537	3101051040060	Chip capacitor 0402 0.1UF K 16V (RoHS)	1	C209	T2E
538	3101051040060	Chip capacitor 0402 0.1UF K 16V (RoHS)	1	C210	T2E
539	3101051040060	Chip capacitor 0402 0.1UF K 16V (RoHS)	1	C233	B2F
540	3101051040060	Chip capacitor 0402 0.1UF K 16V (RoHS)	1	C37	B2I
541	3101051040060	Chip capacitor 0402 0.1UF K 16V (RoHS)	1	C38	B2H
542	3101051040060	Chip capacitor 0402 0.1UF K 16V (RoHS)	1	C39	B2G
543	3101051040060	Chip capacitor 0402 0.1UF K 16V (RoHS)	1	C40	T2F
544	3101051040060	Chip capacitor 0402 0.1UF K 16V (RoHS)	1	C43	B3H
545	3101051040060	Chip capacitor 0402 0.1UF K 16V (RoHS)	1	C44	B2I
546	3101051040060	Chip capacitor 0402 0.1UF K 16V (RoHS)	1	C45	B1I
547	3101051040060	Chip capacitor 0402 0.1UF K 16V (RoHS)	1	C46	B3H
548	3101051040060	Chip capacitor 0402 0.1UF K 16V (RoHS)	1	C50	T4G
549	3101051040060	Chip capacitor 0402 0.1UF K 16V (RoHS)	1	C51	B3B
550	3101051040060	Chip capacitor 0402 0.1UF K 16V (RoHS)	1	C64	T2F
551	3101056800000	Chip capacitor 0402 68PF J 50V(RoHS)	1	C89	B2B
552	3104074750030	Tantalum capacitor 0805 4.7UF M 10V (RoHS)	1	C184	B2H
553	3104081550020	Tantalum capacitor 1206 1.5UF M 16V (RoHS)	1	C112	T2I
554	4100600100330	TC-600V PCB FR4 1.0T/4L/4P (RoHS)	1		
555	3602002005450	Audio amplifier TA7368F-ER(TE85L.F) (RoHS)	1	IC8	T3E
556	3101061300000	Chip capacitor 0603 13PF J 50V (RoHS)	1	C145	B1A
557	3001061540010	Chip resistor 0603 150KΩ D 1/10W(RoHS)	1	R190	T1H
558	3001061540010	Chip resistor 0603 150KΩ D 1/10W(RoHS)	1	R195	T2G
559	3001061540010	Chip resistor 0603 150KΩ D 1/10W(RoHS)	1	R199	T1G
560	3001061540010	Chip resistor 0603 150KΩ D 1/10W(RoHS)	1	R201	T1H
561	3001061540010	Chip resistor 0603 150KΩ D 1/10W(RoHS)	1	R204	T2G
562	3001061540010	Chip resistor 0603 150KΩ D 1/10W(RoHS)	1	R208	T1G

# TC-600 UHF Parts List 1

## 400-420MHz

No.	Material No.	Description	Qty	Ref. No.	Address
1	3001051030000	Chip resistor 0402 10KΩ J 1/16W(RoHS)	1	C254	B1G
2	3001051040010	Chip resistor 0402 100KΩ J 1/16W(RoHS)	1	R623	B4E
3	3001051040010	Chip resistor 0402 100KΩ J 1/16W(RoHS)	1	R624	B4F
4	3001056830000	Chip resistor 0402 68KΩ J 1/16W(RoHS)	1	R618	B5F
5	3001060000000	Chip resistor 0603 0Ω J 1/10W(RoHS)	1	C23	B3F
6	3001060000000	Chip resistor 0603 0Ω J 1/10W(RoHS)	1	D20	T1D
7	3001060000000	Chip resistor 0603 0Ω J 1/10W(RoHS)	1	R106	T3F
8	3001060000000	Chip resistor 0603 0Ω J 1/10W(RoHS)	1	R107	B3B
9	3001060000000	Chip resistor 0603 0Ω J 1/10W(RoHS)	1	R108	B3E
10	3001060000000	Chip resistor 0603 0Ω J 1/10W(RoHS)	1	R110	T4G
11	3001060000000	Chip resistor 0603 0Ω J 1/10W(RoHS)	1	R116	T3B
12	3001060000000	Chip resistor 0603 0Ω J 1/10W(RoHS)	1	R151	B5E
13	3001060000000	Chip resistor 0603 0Ω J 1/10W(RoHS)	1	R192	B4E
14	3001060000000	Chip resistor 0603 0Ω J 1/10W(RoHS)	1	R194	B3F
15	3001060000000	Chip resistor 0603 0Ω J 1/10W(RoHS)	1	R197	B4F
16	3001060000000	Chip resistor 0603 0Ω J 1/10W(RoHS)	1	R508	B5B
17	3001060000000	Chip resistor 0603 0Ω J 1/10W(RoHS)	1	R602	B3C
18	3001060000000	Chip resistor 0603 0Ω J 1/10W(RoHS)	1	R630	T1G
19	3001060000000	Chip resistor 0603 0Ω J 1/10W(RoHS)	1	R78	T2G
20	3001061000000	Chip resistor 0603 10Ω J 1/10W(RoHS)	1	R112	T3F
21	3001061000000	Chip resistor 0603 10Ω J 1/10W(RoHS)	1	R113	T5J
22	3001061000000	Chip resistor 0603 10Ω J 1/10W(RoHS)	1	R164	B2C
23	3001061000000	Chip resistor 0603 10Ω J 1/10W(RoHS)	1	R80	B2D
24	3001061000000	Chip resistor 0603 10Ω J 1/10W(RoHS)	1	R82	B4G
25	3001061010000	Chip resistor 0603 100Ω J 1/10W(RoHS)	1	R127	B5F
26	3001061010000	Chip resistor 0603 100Ω J 1/10W(RoHS)	1	R147	B4E
27	3001061010000	Chip resistor 0603 100Ω J 1/10W(RoHS)	1	R74	B2C
28	3001061010000	Chip resistor 0603 100Ω J 1/10W(RoHS)	1	R75	B4J
29	3001061010000	Chip resistor 0603 100Ω J 1/10W(RoHS)	1	R76	B5E
30	3001061010000	Chip resistor 0603 100Ω J 1/10W(RoHS)	1	R90	T5H
31	3001061020010	Chip resistor 0603 1KΩ J 1/10W(RoHS)	1	R114	B1B
32	3001061020010	Chip resistor 0603 1KΩ J 1/10W(RoHS)	1	R165	B4F
33	3001061020010	Chip resistor 0603 1KΩ J 1/10W(RoHS)	1	R210	B1G
34	3001061020010	Chip resistor 0603 1KΩ J 1/10W(RoHS)	1	R211	B4B
35	3001061020010	Chip resistor 0603 1KΩ J 1/10W(RoHS)	1	R212	B3B
36	3001061020010	Chip resistor 0603 1KΩ J 1/10W(RoHS)	1	R218	B3C
37	3001061020010	Chip resistor 0603 1KΩ J 1/10W(RoHS)	1	R39	B3B
38	3001061020010	Chip resistor 0603 1KΩ J 1/10W(RoHS)	1	R51	B1F
39	3001061020010	Chip resistor 0603 1KΩ J 1/10W(RoHS)	1	R52	T3F
40	3001061020010	Chip resistor 0603 1KΩ J 1/10W(RoHS)	1	R53	B2D



No.	Material No.	Description	Qty	Ref. No.	Address
41	3001061020010	Chip resistor 0603 1KΩ J 1/10W(RoHS)	1	R56	B2B
42	3001061020010	Chip resistor 0603 1KΩ J 1/10W(RoHS)	1	R57	B5B
43	3001061020010	Chip resistor 0603 1KΩ J 1/10W(RoHS)	1	R58	T4B
44	3001061020010	Chip resistor 0603 1KΩ J 1/10W(RoHS)	1	R59	T3B
45	3001061020010	Chip resistor 0603 1KΩ J 1/10W(RoHS)	1	R60	T2D
46	3001061020010	Chip resistor 0603 1KΩ J 1/10W(RoHS)	1	R61	T2D
47	3001061020010	Chip resistor 0603 1KΩ J 1/10W(RoHS)	1	R63	B2A
48	3001061020010	Chip resistor 0603 1KΩ J 1/10W(RoHS)	1	R89	T4I
49	3001061030010	Chip resistor 0603 10KΩ J 1/10W(RoHS)	1	R100	T4B
50	3001061030010	Chip resistor 0603 10KΩ J 1/10W(RoHS)	1	R178	T2H
51	3001061030010	Chip resistor 0603 10KΩ J 1/10W(RoHS)	1	R213	B3C
52	3001061030010	Chip resistor 0603 10KΩ J 1/10W(RoHS)	1	R37	T2E
53	3001061030010	Chip resistor 0603 10KΩ J 1/10W(RoHS)	1	R38	B2A
54	3001061030010	Chip resistor 0603 10KΩ J 1/10W(RoHS)	1	R40	B3F
55	3001061030010	Chip resistor 0603 10KΩ J 1/10W(RoHS)	1	R41	T5F
56	3001061030010	Chip resistor 0603 10KΩ J 1/10W(RoHS)	1	R42	T5E
57	3001061030010	Chip resistor 0603 10KΩ J 1/10W(RoHS)	1	R44	B2I
58	3001061030010	Chip resistor 0603 10KΩ J 1/10W(RoHS)	1	R45	B2I
59	3001061040010	Chip resistor 0603 100KΩ J 1/10W(RoHS)	1	R10	B4C
60	3001061040010	Chip resistor 0603 100KΩ J 1/10W(RoHS)	1	R12	B4B
61	3001061040010	Chip resistor 0603 100KΩ J 1/10W(RoHS)	1	R13	B3D
62	3001061040010	Chip resistor 0603 100KΩ J 1/10W(RoHS)	1	R145	T5F
63	3001061040010	Chip resistor 0603 100KΩ J 1/10W(RoHS)	1	R15	B3D
64	3001061040010	Chip resistor 0603 100KΩ J 1/10W(RoHS)	1	R175	T1B
65	3001061040010	Chip resistor 0603 100KΩ J 1/10W(RoHS)	1	R176	T2B
66	3001061040010	Chip resistor 0603 100KΩ J 1/10W(RoHS)	1	R18	T4B
67	3001061040010	Chip resistor 0603 100KΩ J 1/10W(RoHS)	1	R35	T2C
68	3001061040010	Chip resistor 0603 100KΩ J 1/10W(RoHS)	1	R36	B4B
69	3001061040010	Chip resistor 0603 100KΩ J 1/10W(RoHS)	1	R625	B4F
70	3001061040010	Chip resistor 0603 100KΩ J 1/10W(RoHS)	1	R626	B3E
71	3001061040010	Chip resistor 0603 100KΩ J 1/10W(RoHS)	1	R7	B5B
72	3001061040010	Chip resistor 0603 100KΩ J 1/10W(RoHS)	1	R8	B2E
73	3001061040010	Chip resistor 0603 100KΩ J 1/10W(RoHS)	1	R9	B1D
74	3001061050010	Chip resistor 0603 1MΩ J 1/10W(RoHS)	1	R109	T2B
75	3001061050010	Chip resistor 0603 1MΩ J 1/10W(RoHS)	1	R181	T2G
76	3001061230000	Chip resistor 0603 12KΩ J 1/10W(RoHS)	1	R170	B1D
77	3001061230000	Chip resistor 0603 12KΩ J 1/10W(RoHS)	1	R204	T2G
78	3001061240010	Chip resistor 0603 120KΩ J 1/10W(RoHS)	1	R11	B2B
79	3001061240010	Chip resistor 0603 120KΩ J 1/10W(RoHS)	1	R124	T3F
80	3001061240010	Chip resistor 0603 120KΩ J 1/10W(RoHS)	1	R72	B2D
81	3001061510000	Chip resistor 0603 150Ω J 1/10W(RoHS)	1	R68	B2E
82	3001061510000	Chip resistor 0603 150Ω J 1/10W(RoHS)	1	R69	B2C
83	3001061520000	Chip resistor 0603 1.5KΩ J 1/10W(RoHS)	1	R203	T2E
84	3001061520000	Chip resistor 0603 1.5KΩ J 1/10W(RoHS)	1	R48	B3E

No.	Material No.	Description	Qty	Ref. No.	Address
85	3001061520000	Chip resistor 0603 1.5KΩ J 1/10W(RoHS)	1	R50	T5F
86	3001061520000	Chip resistor 0603 1.5KΩ J 1/10W(RoHS)	1	R55	T2E
87	3001061530010	Chip resistor 0603 15KΩ J 1/10W(RoHS)	1	R161	T4F
88	3001061530010	Chip resistor 0603 15KΩ J 1/10W(RoHS)	1	R162	T4G
89	3001061530010	Chip resistor 0603 15KΩ J 1/10W(RoHS)	1	R163	T4F
90	3001061530010	Chip resistor 0603 15KΩ J 1/10W(RoHS)	1	R299	B1G
91	3001061820000	Chip resistor 0603 1.8KΩ J 1/10W(RoHS)	1	R131	T4E
92	3001061820000	Chip resistor 0603 1.8KΩ J 1/10W(RoHS)	1	R144	B3C
93	3001061850000	Chip resistor 0603 1.8MΩ J 1/10W(RoHS)	1	R155	T5G
94	3001061850000	Chip resistor 0603 1.8MΩ J 1/10W(RoHS)	1	R156	T5F
95	3001062030000	Chip resistor 0603 20KΩ J 1/10W(RoHS)	1	R98	B3D
96	3001062210000	Chip resistor 0603 220Ω J 1/10W(RoHS)	1	R67	B2D
97	3001062220000	Chip resistor 0603 2.2KΩ J 1/10W(RoHS)	1	R115	B2A
98	3001062220000	Chip resistor 0603 2.2KΩ J 1/10W(RoHS)	1	R174	T4H
99	3001062220000	Chip resistor 0603 2.2KΩ J 1/10W(RoHS)	1	R187	T2G
100	3001062220000	Chip resistor 0603 2.2KΩ J 1/10W(RoHS)	1	R209	B1G
101	3001062220000	Chip resistor 0603 2.2KΩ J 1/10W(RoHS)	1	R3	B4B
102	3001062220000	Chip resistor 0603 2.2KΩ J 1/10W(RoHS)	1	R6	T2B
103	3001062230000	Chip resistor 0603 22KΩ J 1/10W(RoHS)	1	R120	T4G
104	3001062240010	Chip resistor 0603 220KΩ J 1/10W(RoHS)	1	R167	T1D
105	3001062720000	Chip resistor 0603 2.7KΩ J 1/10W(RoHS)	1	R49	B4D
106	3001062720000	Chip resistor 0603 2.7KΩ J 1/10W(RoHS)	1	R64	B2G
107	3001062720000	Chip resistor 0603 2.7KΩ J 1/10W(RoHS)	1	R65	B2G
108	3001062730000	Chip resistor 0603 27KΩ D 1/10W(RoHS)	1	R102	B3H
109	3001062730000	Chip resistor 0603 27KΩ D 1/10W(RoHS)	1	R104	B3H
110	3001062730000	Chip resistor 0603 27KΩ D 1/10W(RoHS)	1	R132	B3C
111	3001062730000	Chip resistor 0603 27KΩ D 1/10W(RoHS)	1	R186	T2G
112	3001062740010	Chip resistor 0603 270KΩ J 1/10W(RoHS)	1	R16	B3D
113	3001062740010	Chip resistor 0603 270KΩ J 1/10W(RoHS)	1	R2	B3d
114	3001063020000	Chip resistor 0603 3KΩ J 1/10W(RoHS)	1	R81	B3F
115	3001063310010	Chip resistor 0603 330Ω J 1/10W (RoHS)	1	R146	B4D
116	3001063310010	Chip resistor 0603 330Ω J 1/10W (RoHS)	1	R202	B2B
117	3001063310010	Chip resistor 0603 330Ω J 1/10W (RoHS)	1	R5	B4E
118	3001063310010	Chip resistor 0603 330Ω J 1/10W (RoHS)	1	R619	B4D
119	3001063320000	Chip resistor 0603 3.3KΩ J 1/10W(RoHS)	1	R135	B4A
120	3001063320000	Chip resistor 0603 3.3KΩ J 1/10W(RoHS)	1	R136	B4A
121	3001063320000	Chip resistor 0603 3.3KΩ J 1/10W(RoHS)	1	R137	B4B
122	3001063320000	Chip resistor 0603 3.3KΩ J 1/10W(RoHS)	1	R138	B5A
123	3001063320000	Chip resistor 0603 3.3KΩ J 1/10W(RoHS)	1	R25	B4B
124	3001063320000	Chip resistor 0603 3.3KΩ J 1/10W(RoHS)	1	R26	B4C
125	3001063320000	Chip resistor 0603 3.3KΩ J 1/10W(RoHS)	1	R27	B2F
126	3001063320000	Chip resistor 0603 3.3KΩ J 1/10W(RoHS)	1	R28	B1F
127	3001063320000	Chip resistor 0603 3.3KΩ J 1/10W(RoHS)	1	R29	B2D
128	3001063320000	Chip resistor 0603 3.3KΩ J 1/10W(RoHS)	1	R30	B2E

No.	Material No.	Description	Qty	Ref. No.	Address
129	3001063320000	Chip resistor 0603 3.3KΩ J 1/10W(RoHS)	1	R31	B3G
130	3001063320000	Chip resistor 0603 3.3KΩ J 1/10W(RoHS)	1	R32	B5E
131	3001063320000	Chip resistor 0603 3.3KΩ J 1/10W(RoHS)	1	R33	T5F
132	3001063320000	Chip resistor 0603 3.3KΩ J 1/10W(RoHS)	1	R34	B2D
133	3001063320000	Chip resistor 0603 3.3KΩ J 1/10W(RoHS)	1	R601	B1E
134	3001063330010	Chip resistor 0603 33KΩ J 1/10W (RoHS)	1	R101	B4H
135	3001063330010	Chip resistor 0603 33KΩ J 1/10W(RoHS)	1	R215	B4C
136	3001063330010	Chip resistor 0603 33KΩ J 1/10W(RoHS)	1	R24	T2G
137	3001063340000	Chip resistor 0603 330KΩ J 1/10W(RoHS)	1	R43	T2A
138	3001063920000	Chip resistor 0603 3.9KΩ J 1/10W(RoHS)	1	R117	B2B
139	3001063930010	Chip resistor 0603 39KΩ J 1/10W(RoHS)	1	R152	T5F
140	3001063930010	Chip resistor 0603 39KΩ J 1/10W(RoHS)	1	R153	T5F
141	3001063930010	Chip resistor 0603 39KΩ J 1/10W(RoHS)	1	R158	T5F
142	3001063930010	Chip resistor 0603 39KΩ J 1/10W(RoHS)	1	R159	T5E
143	3001064700000	Chip resistor 0603 47Ω J 1/10W(RoHS)	1	R123	B3G
144	3001064700000	Chip resistor 0603 47Ω J 1/10W(RoHS)	1	R125	B3H
145	3001064700000	Chip resistor 0603 47Ω J 1/10W(RoHS)	1	R191	B2B
146	3001064710000	Chip resistor 0603 470Ω J 1/10W(RoHS)	1	R166	B4F
147	3001064720000	Chip resistor 0603 4.7KΩ J 1/10W(RoHS)	1	R121	T1B
148	3001064720000	Chip resistor 0603 4.7KΩ J 1/10W(RoHS)	1	R177	T2A
149	3001064720000	Chip resistor 0603 4.7KΩ J 1/10W(RoHS)	1	R206	T4A
150	3001064720000	Chip resistor 0603 4.7KΩ J 1/10W(RoHS)	1	R207	T4A
151	3001064720000	Chip resistor 0603 4.7KΩ J 1/10W(RoHS)	1	R208	T3A
152	3001064720000	Chip resistor 0603 4.7KΩ J 1/10W(RoHS)	1	R84	B2C
153	3001064720000	Chip resistor 0603 4.7KΩ J 1/10W(RoHS)	1	R87	T1A
154	3001064720000	Chip resistor 0603 4.7KΩ J 1/10W(RoHS)	1	R88	T1C
155	3001064720000	Chip resistor 0603 4.7KΩ J 1/10W(RoHS)	1	R99	T1B
156	3001064730000	Chip resistor 0603 47KΩ J 1/10W(RoHS)	1	R103	B4G
157	3001064730000	Chip resistor 0603 47KΩ J 1/10W(RoHS)	1	R105	B1E
158	3001064730000	Chip resistor 0603 47KΩ J 1/10W(RoHS)	1	R128	B3B
159	3001064730000	Chip resistor 0603 47KΩ J 1/10W(RoHS)	1	R143	B2A
160	3001064730000	Chip resistor 0603 47KΩ J 1/10W(RoHS)	1	R154	T4F
161	3001064730000	Chip resistor 0603 47KΩ J 1/10W(RoHS)	1	R198	T4E
162	3001064730000	Chip resistor 0603 47KΩ J 1/10W(RoHS)	1	R199	B3B
163	3001064730000	Chip resistor 0603 47KΩ J 1/10W(RoHS)	1	R214	B3C
164	3001064730000	Chip resistor 0603 47KΩ J 1/10W(RoHS)	1	R217	B3C
165	3001064730000	Chip resistor 0603 47KΩ J 1/10W(RoHS)	1	R4	T2B
166	3001064730000	Chip resistor 0603 47KΩ J 1/10W(RoHS)	1	R54	T3G
167	3001064730000	Chip resistor 0603 47KΩ J 1/10W(RoHS)	1	R606	T3I
168	3001064730000	Chip resistor 0603 47KΩ J 1/10W(RoHS)	1	R607	T3I
169	3001064730000	Chip resistor 0603 47KΩ J 1/10W(RoHS)	1	R608	T3I
170	3001064730000	Chip resistor 0603 47KΩ J 1/10W(RoHS)	1	R609	T3I
171	3001064730000	Chip resistor 0603 47KΩ J 1/10W(RoHS)	1	R610	T2C
172	3001064730000	Chip resistor 0603 47KΩ J 1/10W(RoHS)	1	R615	B3B

No.	Material No.	Description	Qty	Ref. No.	Address
173	3001064730000	Chip resistor 0603 47KΩ J 1/10W(RoHS)	1	R93	T2F
174	3001064740010	Chip resistor 0603 470KΩ J 1/10W(RoHS)	1	R22	T1D
175	3001064740010	Chip resistor 0603 470KΩ J 1/10W(RoHS)	1	R94	T2F
176	3001065610000	Chip resistor 0603 560Ω J 1/10W(RoHS)	1	R118	B2I
177	3001065610000	Chip resistor 0603 560Ω J 1/10W(RoHS)	1	R62	B2I
178	3001065620010	Chip resistor 0603 5.6KΩ J 1/10W(RoHS)	1	R130	B4B
179	3001065620010	Chip resistor 0603 5.6KΩ J 1/10W(RoHS)	1	R216	B3C
180	3001065620010	Chip resistor 0603 5.6KΩ J 1/10W(RoHS)	1	R79	B2D
181	3001065630000	Chip resistor 0603 56KΩ J 1/10W(RoHS)	1	R149	B3E
182	3001065630000	Chip resistor 0603 56KΩ J 1/10W(RoHS)	1	R627	B3F
183	3001065640000	Chip resistor 0603 560KΩ J 1/10W(RoHS)	1	R148	B4D
184	3001066810010	Chip resistor 0603 680Ω J 1/10W(RoHS)	1	R70	B3F
185	3001066820000	Chip resistor 0603 6.8KΩ J 1/10W(RoHS)	1	R85	T4F
186	3001066840000	Chip resistor 0603 680KΩ J 1/10W(RoHS)	1	R1	B4B
187	3001066840000	Chip resistor 0603 680KΩ J 1/10W(RoHS)	1	R134	B3C
188	3001067540000	Chip resistor 0603 750KΩ J 1/10W(RoHS)	1	R160	T4G
189	3001068200000	Chip resistor 0603 82Ω J 1/10W(RoHS)	1	R171	B1D
190	3001068210010	Chip resistor 0603 820Ω J 1/10W (RoHS)	1	R47	B4c
191	3001068210010	Chip resistor 0603 820Ω J 1/10W (RoHS)	1	R66	B1F
192	3001068220000	Chip resistor 0603 8.2KΩ J 1/10W(RoHS)	1	R169	B1D
193	3001068230010	Chip resistor 0603 82KΩ J 1/10W(RoHS)	1	R133	T2C
194	3001068230010	Chip resistor 0603 82KΩ J 1/10W(RoHS)	1	R97	B3C
195	3001070000000	Chip resistor 0805 0Ω J 1/8W(RoHS)	1	L3	B3H
196	3001080590000	Chip resistor 1206 0.5Ω J 1/4W(RoHS)	1	R172	T2H
197	3001080590000	Chip resistor 1206 0.5Ω J 1/4W(RoHS)	1	R173	T2I
198	3001080590000	Chip resistor 1206 0.5Ω J 1/4W(RoHS)	1	R77	T2H
199	3002994730000	Trimmer resistor 2.7*2.0*1.6 47KΩ ±25% (RoHS)	1	VR2	T5E
200	3002994730000	Trimmer resistor 2.7*2.0*1.6 47KΩ ±25% (RoHS)	1	VR6	T2G
201	3002996830000	Trimmer resistor(2*2) 68KΩ(+25%) (RoHS)	1	VR3	T4E
202	3002996830000	Trimmer resistor(2*2) 68KΩ(+25%) (RoHS)	1	VR4	T1B
203	3002996830000	Trimmer resistor(2*2) 68KΩ(+25%) (RoHS)	1	VR5	B3B
204	3002996830000	Trimmer resistor(2*2) 68KΩ(+25%) (RoHS)	1	VR7	T1E
205	3005991030070	Resistor array 0603 10KΩ*4 J 1/16W*4 (RoHS)	1	CP1	T1B
206	3005991030070	Resistor array 0603 10KΩ*4 J 1/16W*4 (RoHS)	1	CP6	T4A
207	3005991030070	Resistor array 0603 10KΩ*4 J 1/16W*4 (RoHS)	1	CP7	T4B
208	3005061030040	Resistor array 0603 10KΩ*2 J 1/16W (RoHS)	1	CP5	T1B
209	3005061030040	Resistor array 0603 10KΩ*2 J 1/16W (RoHS)	1	CP8	T4B
210	3005064720000	Resistor array 0603 4.7KΩ*2 J 1/16W (RoHS)	1	CP10	T4A
211	3005064720000	Resistor array 0603 4.7KΩ*2 J 1/16W (RoHS)	1	CP4	T1B
212	3005064720010	Resistor array 0603 4.7KΩ*4 J 1/16W*4 (RoHS)	1	CP3	T1B
213	3005064720010	Resistor array 0603 4.7KΩ*4 J 1/16W*4 (RoHS)	1	cp9	T4A
214	3101050200010	Chip capacitor 0402 2PF B 50V (RoHS)	1	C195	B2B
215	3101050300000	Chip capacitor 0402 3PF B 50V (RoHS)	1	C103	B2B
216	3101050300000	Chip capacitor 0402 3PF B 50V (RoHS)	1	C105	B4G

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217	3101050300000	Chip capacitor 0402 3PF B 50V (RoHS)	1	C135	B3F
218	3101050300000	Chip capacitor 0402 3PF B 50V (RoHS)	1	C143	B4I
219	3101050400010	Chip capacitor 0402 4PF B 50V (RoHS)	1	C134	B5H
220	3101050400010	Chip capacitor 0402 4PF B 50V (RoHS)	1	C136	B4H
221	3101050400010	Chip capacitor 0402 4PF B 50V (RoHS)	1	C141	B4I
222	3101050500010	Chip capacitor 0402 5PF B 50V (RoHS)	1	C139	B4I
223	3101050500010	Chip capacitor 0402 5PF B 50V (RoHS)	1	C142	B4I
224	3101050590020	Chip capacitor 0402 0.5PF B 50V (RoHS)	1	C163	B4F
225	3101050590020	Chip capacitor 0402 0.5PF B 50V (RoHS)	1	C164	B4G
226	3101050590020	Chip capacitor 0402 0.5PF B 50V (RoHS)	1	C91	B2D
227	3101050590020	Chip capacitor 0402 0.5PF B 50V (RoHS)	1	C94	B4E
228	3101050600010	Chip capacitor 0402 6PF B 50V (RoHS)	1	C106	B5E
229	3101050600010	Chip capacitor 0402 6PF B 50V (RoHS)	1	C186	B2C
230	3101050600010	Chip capacitor 0402 6PF B 50V (RoHS)	1	C96	B2D
231	3101050600010	Chip capacitor 0402 6PF B 50V (RoHS)	1	C97	B2E
232	3101050600010	Chip capacitor 0402 6PF B 50V (RoHS)	1	C98	B3G
233	3101050600010	Chip capacitor 0402 6PF B 50V (RoHS)	1	C99	T2D
234	3101050700010	Chip capacitor 0402 7PF B 50V (RoHS)	1	C89	B4I
235	3101050700010	Chip capacitor 0402 7PF B 50V (RoHS)	1	C90	B1E
236	3101050800000	Chip capacitor 0402 8PF B 50V (RoHS)	1	C101	B4I
237	3101050800000	Chip capacitor 0402 8PF B 50V (RoHS)	1	C193	B1D
238	3101050800000	Chip capacitor 0402 8PF B 50V (RoHS)	1	C251	B3E
239	3101051010030	Chip capacitor 0402 100PF J 50V (RoHS)	1	C132	B2D
240	3101051010030	Chip capacitor 0402 100PF J 50V (RoHS)	1	C15	B2A
241	3101051010030	Chip capacitor 0402 100PF J 50V (RoHS)	1	C16	B2A
242	3101051010030	Chip capacitor 0402 100PF J 50V (RoHS)	1	C17	B2A
243	3101051010030	Chip capacitor 0402 100PF J 50V (RoHS)	1	C179	B3D
244	3101051010030	Chip capacitor 0402 100PF J 50V (RoHS)	1	C180	B2A
245	3101051010030	Chip capacitor 0402 100PF J 50V (RoHS)	1	C185	T1H
246	3101051010030	Chip capacitor 0402 100PF J 50V (RoHS)	1	C35	B4F
247	3101051010030	Chip capacitor 0402 100PF J 50V (RoHS)	1	c212	B4C
248	3101051020010	Chip capacitor 0402 1000PF K 50V (RoHS)	1	C109	B2C
249	3101051020010	Chip capacitor 0402 1000PF K 50V (RoHS)	1	C110	B2C
250	3101051020010	Chip capacitor 0402 1000PF K 50V (RoHS)	1	C111	B4H
251	3101051020010	Chip capacitor 0402 1000PF K 50V (RoHS)	1	C113	B2B
252	3101051020010	Chip capacitor 0402 1000PF K 50V (RoHS)	1	C114	B3H
253	3101051020010	Chip capacitor 0402 1000PF K 50V (RoHS)	1	C121	B2E
254	3101051020010	Chip capacitor 0402 1000PF K 50V (RoHS)	1	C206	B3A
255	3101051020010	Chip capacitor 0402 1000PF K 50V (RoHS)	1	C59	B1G
256	3101051020010	Chip capacitor 0402 1000PF K 50V (RoHS)	1	C60	B1G
257	3101051020010	Chip capacitor 0402 1000PF K 50V (RoHS)	1	C61	B2G
258	3101051020010	Chip capacitor 0402 1000PF K 50V (RoHS)	1	C62	B2G
259	3101051020010	Chip capacitor 0402 1000PF K 50V (RoHS)	1	C65	B1C
260	3101051020010	Chip capacitor 0402 1000PF K 50V (RoHS)	1	C66	T1E

No.	Material No.	Description	Qty	Ref. No.	Address
261	3101051020010	Chip capacitor 0402 1000PF K 50V (RoHS)	1	C68	B3H
262	3101051020010	Chip capacitor 0402 1000PF K 50V (RoHS)	1	C69	B3B
263	3101051020010	Chip capacitor 0402 1000PF K 50V (RoHS)	1	C70	B4A
264	3101051020010	Chip capacitor 0402 1000PF K 50V (RoHS)	1	C71	B5B
265	3101051020010	Chip capacitor 0402 1000PF K 50V (RoHS)	1	C73	B3E
266	3101051020010	Chip capacitor 0402 1000PF K 50V (RoHS)	1	C74	B4E
267	3101051020010	Chip capacitor 0402 1000PF K 50V (RoHS)	1	C75	T4F
268	3101051020010	Chip capacitor 0402 1000PF K 50V (RoHS)	1	C77	T4G
269	3101051020010	Chip capacitor 0402 1000PF K 50V (RoHS)	1	C78	T2D
270	3101051020010	Chip capacitor 0402 1000PF K 50V (RoHS)	1	C79	T1E
271	3101051020010	Chip capacitor 0402 1000PF K 50V (RoHS)	1	C80	T1D
272	3101051020010	Chip capacitor 0402 1000PF K 50V (RoHS)	1	C81	T1C
273	3101051020010	Chip capacitor 0402 1000PF K 50V (RoHS)	1	C82	B2I
274	3101051020010	Chip capacitor 0402 1000PF K 50V (RoHS)	1	C83	B2I
275	3101051030020	Chip capacitor 0402 0.01UF K 25V (RoHS)	1	C10	T5F
276	3101051030020	Chip capacitor 0402 0.01UF K 25V (RoHS)	1	C11	T1B
277	3101051030020	Chip capacitor 0402 0.01UF K 25V (RoHS)	1	C12	B3I
278	3101051030020	Chip capacitor 0402 0.01UF K 25V (RoHS)	1	C137	T2I
279	3101051030020	Chip capacitor 0402 0.01UF K 25V (RoHS)	1	C2	B4B
280	3101051030020	Chip capacitor 0402 0.01UF K 25V (RoHS)	1	C240	T4J
281	3101051030020	Chip capacitor 0402 0.01UF K 25V (RoHS)	1	C241	T3J
282	3101051030020	Chip capacitor 0402 0.01UF K 25V (RoHS)	1	C242	T3J
283	3101051030020	Chip capacitor 0402 0.01UF K 25V (RoHS)	1	C243	T4J
284	3101051030020	Chip capacitor 0402 0.01UF K 25V (RoHS)	1	C3	B4B
285	3101051030020	Chip capacitor 0402 0.01UF K 25V (RoHS)	1	C4	B4C
286	3101051030020	Chip capacitor 0402 0.01UF K 25V (RoHS)	1	C5	B1F
287	3101051030020	Chip capacitor 0402 0.01UF K 25V (RoHS)	1	C7	B2C
288	3101051030020	Chip capacitor 0402 0.01UF K 25V (RoHS)	1	C8	B4A
289	3101051030020	Chip capacitor 0402 0.01UF K 25V (RoHS)	1	C9	T5F
290	3101051200020	Chip capacitor 0402 12PF J 50V (RoHS)	1	C88	B2E
291	3101051520000	Chip capacitor 0402 1500PF K 50V (RoHS)	1	C232	T4F
292	3101051520000	Chip capacitor 0402 1500PF K 50V (RoHS)	1	C76	T4G
293	3101051590000	Chip capacitor 0402 1.5PF B 50V (RoHS)	1	C196	B3E
294	3101051830000	Chip capacitor 0402 0.018UF K 16V(RoHS)	1	C156	B5B
295	3101052200010	Chip capacitor 0402 22PF J 50V (RoHS)	1	C100	B2D
296	3101052210010	Chip capacitor 0402 220PF K 50V (RoHS)	1	C13	B4B
297	3101052210010	Chip capacitor 0402 220PF K 50V (RoHS)	1	C14	B4B
298	3101052210010	Chip capacitor 0402 220PF K 50V (RoHS)	1	C239	T5I
299	3101052230000	Chip capacitor 0402 0.022UF K 16V(RoHS)	1	C167	T5F
300	3101052230000	Chip capacitor 0402 0.022UF K 16V(RoHS)	1	C168	T4G
301	3101052230000	Chip capacitor 0402 0.022UF K 16V(RoHS)	1	C169	T4G
302	3101052230000	Chip capacitor 0402 0.022UF K 16V(RoHS)	1	C170	T1B
303	3101052230000	Chip capacitor 0402 0.022UF K 16V(RoHS)	1	C44	B4B
304	3101052700000	Chip capacitor 0402 27PF J 50V (RoHS)	1	C18	B5B

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305	3101052720000	Chip capacitor 0402 2700PF K 50V(RoHS)	1	C172	T5F
306	3101053300000	Chip capacitor 0402 33PF J 50V (RoHS)	1	C175	T2B
307	3101053300000	Chip capacitor 0402 33PF J 50V (RoHS)	1	C176	T3B
308	3101053300000	Chip capacitor 0402 33PF J 50V (RoHS)	1	C188	B1C
309	3101053300000	Chip capacitor 0402 33PF J 50V (RoHS)	1	C42	B4G
310	3101053300000	Chip capacitor 0402 33PF J 50V (RoHS)	1	C52	B4B
311	3101053300000	Chip capacitor 0402 33PF J 50V (RoHS)	1	C53	B4B
312	3101053300000	Chip capacitor 0402 33PF J 50V (RoHS)	1	C54	B4C
313	3101053320010	Chip capacitor 0402 3300PF K 50V (RoHS)	1	C166	T5F
314	3101053330000	Chip capacitor 0402 0.033UF K 16V(RoHS)	1	C150	B4B
315	3101053330000	Chip capacitor 0402 0.033UF K 16V(RoHS)	1	C151	B4A
316	3101053330000	Chip capacitor 0402 0.033UF K 16V(RoHS)	1	C152	B4B
317	3101053330000	Chip capacitor 0402 0.033UF K 16V(RoHS)	1	C153	B4B
318	3101053330000	Chip capacitor 0402 0.033UF K 16V(RoHS)	1	C160	B3D
319	3101053340000	Chip capacitor 0402 0.33UF K 6.3V(RoHS)	1	C126	B1B
320	3101053340000	Chip capacitor 0402 0.33UF K 6.3V(RoHS)	1	C127	B1A
321	3101053340000	Chip capacitor 0402 0.33UF K 6.3V(RoHS)	1	C133	B4G
322	3101053340000	Chip capacitor 0402 0.33UF K 6.3V(RoHS)	1	C230	B1A
323	3101053900000	Chip capacitor 0402 39PF J 50V(RoHS)	1	C138	B3H
324	3101053920000	Chip capacitor 0402 3900PF K 25V(RoHS)	1	C181	T2C
325	3101053930000	Chip capacitor 0402 0.039UF K 10V(RoHS)	1	C122	T2E
326	3101054700010	Chip capacitor 0402 47PF J 50V (RoHS)	1	C55	B3I
327	3101054710010	Chip capacitor 0402 470PF K 50V (RoHS)	1	C116	T2H
328	3101054710010	Chip capacitor 0402 470PF K 50V (RoHS)	1	C147	B4I
329	3101054710010	Chip capacitor 0402 470PF K 50V (RoHS)	1	C149	B2G
330	3101054710010	Chip capacitor 0402 470PF K 50V (RoHS)	1	C183	T1H
331	3101054710010	Chip capacitor 0402 470PF K 50V (RoHS)	1	C184	T2G
332	3101054710010	Chip capacitor 0402 470PF K 50V (RoHS)	1	C197	B3B
333	3101054710010	Chip capacitor 0402 470PF K 50V (RoHS)	1	C20	B5B
334	3101054710010	Chip capacitor 0402 470PF K 50V (RoHS)	1	C204	B4F
335	3101054710010	Chip capacitor 0402 470PF K 50V (RoHS)	1	C207	B3F
336	3101054710010	Chip capacitor 0402 470PF K 50V (RoHS)	1	C208	B4J
337	3101054710010	Chip capacitor 0402 470PF K 50V (RoHS)	1	C21	B2E
338	3101054710010	Chip capacitor 0402 470PF K 50V (RoHS)	1	C22	B2D
339	3101054710010	Chip capacitor 0402 470PF K 50V (RoHS)	1	C231	B1C
340	3101054710010	Chip capacitor 0402 470PF K 50V (RoHS)	1	C24	B4G
341	3101054710010	Chip capacitor 0402 470PF K 50V (RoHS)	1	C25	B2B
342	3101054710010	Chip capacitor 0402 470PF K 50V (RoHS)	1	C257	T2G
343	3101054710010	Chip capacitor 0402 470PF K 50V (RoHS)	1	C26	B2B
344	3101054710010	Chip capacitor 0402 470PF K 50V (RoHS)	1	C27	B3G
345	3101054710010	Chip capacitor 0402 470PF K 50V (RoHS)	1	C28	B4H
346	3101054710010	Chip capacitor 0402 470PF K 50V (RoHS)	1	C29	B3I
347	3101054710010	Chip capacitor 0402 470PF K 50V (RoHS)	1	C30	B4I
348	3101054710010	Chip capacitor 0402 470PF K 50V (RoHS)	1	C31	B2D

No.	Material No.	Description	Qty	Ref. No.	Address
349	3101054710010	Chip capacitor 0402 470PF K 50V (RoHS)	1	C32	B5E
350	3101054710010	Chip capacitor 0402 470PF K 50V (RoHS)	1	C33	B5F
351	3101054710010	Chip capacitor 0402 470PF K 50V (RoHS)	1	C36	B4E
352	3101054710010	Chip capacitor 0402 470PF K 50V (RoHS)	1	C67	B3H
353	3101054720000	Chip capacitor 0402 4700PF K 50V (RoHS)	1	C57	B4C
354	3101054730000	Chip capacitor 0402 0.047UF K 10V(RoHS)	1	C157	T5F
355	3101054730000	Chip capacitor 0402 0.047UF K 10V(RoHS)	1	C158	T4E
356	3101054730000	Chip capacitor 0402 0.047UF K 10V(RoHS)	1	C161	T2C
357	3101054730000	Chip capacitor 0402 0.047UF K 10V(RoHS)	1	C162	B4D
358	3101054730000	Chip capacitor 0402 0.047UF K 10V(RoHS)	1	C209	B3B
359	3101054730000	Chip capacitor 0402 0.047UF K 10V(RoHS)	1	C210	B3B
360	3101054730000	Chip capacitor 0402 0.047UF K 10V(RoHS)	1	C237	T3F
361	3101055610000	Chip capacitor 0402 560PF K 50V(RoHS)	1	C171	T5F
362	3101055610000	Chip capacitor 0402 560PF K 50V(RoHS)	1	C34	T5G
363	3101056890000	Chip capacitor 0402 6.8PF B 50V (RoHS)	1	C107	B4E
364	3101056890000	Chip capacitor 0402 6.8PF B 50V (RoHS)	1	C192	B1D
365	3101058200000	Chip capacitor 0402 82PF J 50V (RoHS)	1	C58	B4C
366	3101060100010	Chip capacitor 0603 1PF B 50V (RoHS)	1	C92	B2C
367	3101060300010	Chip capacitor 0603 3PF B 50V (RoHS)	1	C93	B4E
368	3101060600010	Chip capacitor 0603 6PF B 50V (RoHS)	1	C145	B5J
369	3101061020000	Chip capacitor 0603 1000PF K 50V (RoHS)	1	C198	T4G
370	3101061020000	Chip capacitor 0603 1000PF K 50V (RoHS)	1	C235	B4J
371	3101061020000	Chip capacitor 0603 1000PF K 50V (RoHS)	1	C63	B1D
372	3101061020000	Chip capacitor 0603 1000PF K 50V (RoHS)	1	C72	B3D
373	3101061040010	Chip capacitor 0603 0.1UF K 16V (RoHS)	1	C48	T4G
374	3101061040010	Chip capacitor 0603 0.1UF K 16V (RoHS)	1	C49	T4G
375	3101062200010	Chip capacitor 0603 22PF J 50V (RoHS)	1	C506	B3I
376	3101064700000	Chip capacitor 0603 47PF J 50V (RoHS)	1	C19	B1C
377	3101064710000	Chip capacitor 0603 470PF K 50V (RoHS)	1	R111	B4E
378	3101064710000	Chip capacitor 0603 470PF K 50V (RoHS)	1	R150	B5F
379	3101071040000	Chip capacitor 0805 0.1UF K 25V(RoHS)	1	C194	T5H
380	3102992000040	Trimmer capacitor 3.2*2.5*1.25mm 10P 55V (RoHS)	1	TC1	B1D
381	3102992000040	Trimmer capacitor 3.2*2.5*1.25mm 10P 55V (RoHS)	1	TC2	B1C
382	3102992000040	Trimmer capacitor 3.2*2.5*1.25mm 10P 55V (RoHS)	1	TC3	B4G
383	3102992000040	Trimmer capacitor 3.2*2.5*1.25mm 10P 55V (RoHS)	1	TC4	B5F
384	3102992000040	Trimmer capacitor 3.2*2.5*1.25mm 10P 55V (RoHS)	1	TC5	B4E
385	3104081050000	Tantalum capacitor 1206 1UF M 16V (RoHS)	1	C174	T3F
386	3104082250030	Tantalum capacitor 1206 2.2UF K 16V (RoHS)	1	C165	T5F
387	3104084750030	Tantalum capacitor 1206 4.7UF K 16V (RoHS)	1	C117	B1B
388	3104084750030	Tantalum capacitor 1206 4.7UF K 16V (RoHS)	1	C120	B2G
389	3104084750030	Tantalum capacitor 1206 4.7UF K 16V (RoHS)	1	C173	T4F
390	3104084750030	Tantalum capacitor 1206 4.7UF K 16V (RoHS)	1	C177	T1D
391	3104086850000	Tantalum capacitor 1206 6.8UF±20% 10V (RoHS)	1	C112	T2G
392	3104086850000	Tantalum capacitor 1206 6.8UF±20% 10V (RoHS)	1	C238	T3E



No.	Material No.	Description	Qty	Ref. No.	Address
393	3104202270000	Tantalum capacitor C-encapsulation 220UF M 6.3V (RoHS)	1	C203	T5G
394	3104074740010	Tantalum capacitor 0805 0.47UF 16V (RoHS)	1	C202	B3B
395	3210107221000	Bobbin inductor 0805 220nH (RoHS)	1	L4	B4J
396	3210108270000	Bobbin inductor 1206 27nH (RoHS)	1	L16	B2B
397	3210108270000	Bobbin inductor 1206 27nH (RoHS)	1	L44	B1E
398	3210209102010	Bobbin inductor 1210 1uH (RoHS)	1	L43	B5J
399	3210305150010	Multi-layer chip inductor 0402 15nH (RoHS)	1	L21	B3G
400	3210305180000	Multi-layer chip inductor 0402 18nH (RoHS)	1	L26	B2B
401	3210305220000	Multi-layer chip inductor 0402 22nH (RoHS)	1	L18	B2D
402	3210305220000	Multi-layer chip inductor 0402 22nH (RoHS)	1	L19	B2D
403	3210305220000	Multi-layer chip inductor 0402 22nH (RoHS)	1	L25	B3E
404	3212105101000	Multi-layer chip inductor 0402 100nH (RoHS)	1	L17	B1C
405	3212105101000	Multi-layer chip inductor 0402 100nH (RoHS)	1	L40	B5E
406	3212105101000	Multi-layer chip inductor 0402 100nH (RoHS)	1	L48	B1C
407	3212105470000	Multi-layer chip inductor 0402 47nH (RoHS)	1	L39	B5E
408	3212105470000	Multi-layer chip inductor 0402 47nH (RoHS)	1	L45	B2D
409	3212106689000	Multi-layer chip inductor 0603 6.8nH (RoHS)	1	R196	B4G
410	3213212102000	Multi-layer chip inductor 1008 1uH (RoHS)	1	L9	B3B
411	3213212331000	Multi-layer chip inductor 1008 330nH (RoHS)	1	L49	B3E
412	3213306102000	Multi-layer chip inductor 0603 1uH (RoHS)	1	L1	B4B
413	3213306102000	Multi-layer chip inductor 0603 1uH (RoHS)	1	L14	T4H
414	3213306102000	Multi-layer chip inductor 0603 1uH (RoHS)	1	R96	B2B
415	3213306221010	Multi-layer chip inductor 0603 0.22uH (RoHS)	1	L41	T2E
416	3213306332000	Multi-layer chip inductor 0603 3.3uH (RoHS)	1	L46	B2C
417	3213306332000	Multi-layer chip inductor 0603 3.3uH (RoHS)	1	L5	B2E
418	3221506601000	Chip ferrite bead 0603 600Ω±25% (RoHS)	1	L12	B3G
419	3221506601000	Chip ferrite bead 0603 600Ω±25% (RoHS)	1	L13	B2B
420	3221506601000	Chip ferrite bead 0603 600Ω±25% (RoHS)	1	L6	B2D
421	3221506601000	Chip ferrite bead 0603 600Ω±25% (RoHS)	1	L7	B2D
422	3221506601000	Chip ferrite bead 0603 600Ω±25% (RoHS)	1	L8	B2A
423	3221507221000	Chip ferrite bead 0805 220Ω±25% (RoHS)	1	L11	B3H
424	3221507600000	Chip ferrite bead 0805 60Ω±25% (RoHS)	1	L10	B3I
425	3221507600000	Chip ferrite bead 0805 60Ω±25% (RoHS)	1	L15	B2G
426	3231301250000	Air-core inductor E2-0.35*1.2*5TL (RoHS)	1	L2	B3H
427	3231351630000	Air-core inductor E2-0.35*1.6*3TR (RoHS)	1	L34	B5E
428	3231351630000	Air-core inductor E2-0.35*1.6*3TR (RoHS)	1	L36	B4E
429	3231351640000	Air-core inductor E2-0.35*1.6*4TL (RoHS)	1	L22	B4H
430	3231351640000	Air-core inductor E2-0.35*1.6*4TL (RoHS)	1	L23	B4I
431	3231351640000	Air-core inductor E2-0.35*1.6*4TL (RoHS)	1	L24	B4I
432	3231351640000	Air-core inductor E2-0.35*1.6*4TL (RoHS)	1	L28	B4J
433	3231351640000	Air-core inductor E2-0.35*1.6*4TL (RoHS)	1	L31	B4F
434	3231351640000	Air-core inductor E2-0.35*1.6*4TL (RoHS)	1	L32	B4G
435	3231351640000	Air-core inductor E2-0.35*1.6*4TL (RoHS)	1	L33	B4G
436	3231351640000	Air-core inductor E2-0.35*1.6*4TL (RoHS)	1	L35	B4E

No.	Material No.	Description	Qty	Ref. No.	Address
437	3231351640000	Air-core inductor E2-0.35*1.6*4TL (RoHS)	1	L38	B5F
438	3231351680000	Air-core inductor E2-0.35*1.6*8TR (RoHS)	1	L30	B3I
439	3303010500290	Switching diode 1SS372(TE85L.F) (RoHS)	1	D18	T4F
440	3303020100020	Switching diode MA2S11100L (RoHS)	1	D13	B2A
441	3303020100020	Switching diode MA2S11100L (RoHS)	1	D9	B2C
442	3303020100070	Switching diode MA2Z07700L (RoHS)	1	D11	B4I
443	3303020100080	Switching diode MA2S07700L (RoHS)	1	D12	B5H
444	3303020100080	Switching diode MA2S07700L (RoHS)	1	D5	B3F
445	3303020100080	Switching diode MA2S07700L (RoHS)	1	D6	B3F
446	3303030100010	Switching diode DAN222(TL) (ROHS)	1	D19	T4G
447	3303210200000	Varactor MA2S37600L (RoHS)	1	D2	B2E
448	3303210200000	Varactor MA2S37600L (RoHS)	1	D3	B2D
449	3303210200000	Varactor MA2S37600L (RoHS)	1	D7	B1C
450	3303210200000	Varactor MA2S37600L (RoHS)	1	D8	B1C
451	3307110100080	LED KPT-1608SGC (RoHS)	1	D22	T2J
452	3307110100070	LED KPT-1608SRC (RoHS)	1	D24	T2J
453	3399990000160	Varactor MA2Z36000L (RoHS)	1	D4	B1D
454	3399990000220	Diode UDZS3.0B (RoHS)	1	D10	B2B
455	3401001000080	Transistor 2SA1362-GR(TE85.F) (RoHS)	1	Q40	T3F
456	3401002000990	Transistor 2SC5108-Y(TE85L.F) (RoHS)	1	Q13	B2B
457	3401002000990	Transistor 2SC5108-Y(TE86L.F) (RoHS)	1	Q14	B2D
458	3401002000990	Transistor 2SC5108-Y(TE87L.F) (RoHS)	1	Q22	B4D
459	3403007000000	Transistor DTA114EE(TL) (RoHS)	1	Q10	B4D
460	3403007000020	Transistor DTA114YE(TL) (RoHS)	1	Q34	T2A
461	3403007000020	Transistor DTA114YE(TL) (RoHS)	1	Q47	B3B
462	3403007000020	Transistor DTA114YE(TL) (RoHS)	1	Q9	T2B
463	3403008000010	Transistor DTC114EE(TL) (RoHS)	1	Q28	B2J
464	3403008000010	Transistor DTC114EE(TL) (RoHS)	1	Q30	B2J
465	3403008000010	Transistor DTC114EE(TL) (RoHS)	1	Q36	T2G
466	3403008000010	Transistor DTC114EE(TL) (RoHS)	1	Q39	T2F
467	3403008000010	Transistor DTC114EE(TL) (RoHS)	1	Q45	T1B
468	3403008000070	Transistor DTC144EE(TL) (RoHS)	1	Q12	T2E
469	3403009000010	Transistor UMG3N(N-TR) (RoHS)	1	Q1	B1F
470	3403009000010	Transistor UMG3N(N-TR) (RoHS)	1	Q2	B2F
471	3404002000000	Transistor PRF957 (ROHS)	1	Q16	B1D
472	3406001000090	Transistor 2SC4988FRTR-E (RoHS)	1	Q17	B3G
473	3408002000030	Transistor 2SC4226-R24-A (RoHS)	1	Q15	B2D
474	3411002000020	Transistor 2SC5343EG (RoHS)	1	Q18	B2D
475	3411002000020	Transistor 2SC5343EG (RoHS)	1	Q19	B4A
476	3411002000020	Transistor 2SC5343EG (RoHS)	1	Q20	B4A
477	3411002000020	Transistor 2SC5343EG (RoHS)	1	Q24	T5F
478	3411002000020	Transistor 2SC5343EG (RoHS)	1	Q25	T5F
479	3411002000020	Transistor 2SC5343EG (RoHS)	1	Q26	T4G
480	3499000000140	Transistor 2SK508-K52-T1B-A (RoHS)	1	Q8	B2C

No.	Material No.	Description	Qty	Ref. No.	Address
481	3499000000150	Transistor UMC4(NTR) (RoHS)	1	Q7	B1D
482	3499000000180	Transistor UFMMT717 (RoHS)	1	Q4	B1F
483	3499000000180	Transistor UFMMT717 (RoHS)	1	Q5	B1F
484	3501020000030	FET 3SK318YB-TL-E-Q (RoHS)	1	Q23	B3E
485	3501020000030	FET 3SK318YB-TL-E-Q (RoHS)	1	Q27	B5E
486	3503010000010	FET 2SJ243-T1-A (RoHS)	1	Q6	B1C
487	3503020000010	FET 2SK1588-T1-AZ (RoHS)	1	Q41	T3F
488	3503020000030	FET 2SK1824-T1-A (RoHS)	1	Q21	B5B
489	3503020000030	FET 2SK1824-T1-A (RoHS)	1	Q46	B2F
490	3503020000030	FET 2SK1824-T1-A (RoHS)	1	q50	T2G
491	3503040000000	FET UPA572T-A (RoHS)	1	Q3	B2G
492	3504990000010	FET RD01MUS2-T113 (RoHS)	1	Q32	B3G
493	3504990000020	FET RD07MVS1-T112 (RoHS)	1	Q31	B3I
494	3602002005450	Audio amplifier TA7368F-ER(TE85L.F) (RoHS)	1	IC8	T3E
495	3603002005440	IF processor TA31136FNG(EL.HZ) (RoHS)	1	IC1	B4C
496	3603008005040	Operational amplifier NJM2902V (RoHS)	1	IC7	B3C
497	3604002055090	PLL TB31202FN-EL(ELP.HZ) (RoHS)	1	IC2	B4J
498	3605008005010	Operational amplifier NJM2100V (RoHS)	1	IC3	T4F
499	3608015000000	Power management IC (voltage regulator) XC6201P502PR 5V	1	IC4	T1D
500	3609004005280	Reset IC PST9140NR (RoHS)	1	IC9	T2A
501	3612031004400	Memory AT24C08AN-10SU-2.7 8K (RoHS)	1	IC5	T5B
502	3701012850010	TCXO 12.8MHz NSA0298A (RoHS)	1	X4	B3A
503	3701737230020	Crystal 7.3728MHz DSX530GA (RoHS)	1	X3	T3B
504	3104081060080	Tantalum capacitor 1206 10UF M 10V (RoHS)	1	C1	B4B
505	3104081060080	Tantalum capacitor 1206 10UF M 10V (RoHS)	1	C118	T2E
506	3104081060080	Tantalum capacitor 1206 10UF M 10V (RoHS)	1	C125	B4F
507	3104081060080	Tantalum capacitor 1206 10UF M 10V (RoHS)	1	C155	B4A
508	3104081060080	Tantalum capacitor 1206 10UF M 10V (RoHS)	1	C159	B4B
509	3104081060080	Tantalum capacitor 1206 10UF M 10V (RoHS)	1	C248	T3E
510	3101051000020	Chip capacitor 0402 10PF J 50V (RoHS)	1	C108	B5E
511	3101051000020	Chip capacitor 0402 10PF J 50V (RoHS)	1	C130	B3A
512	3101051000020	Chip capacitor 0402 10PF J 50V (RoHS)	1	C144	T4F
513	3101051000020	Chip capacitor 0402 10PF J 50V (RoHS)	1	C187	B2C
514	3101051000020	Chip capacitor 0402 10PF J 50V (RoHS)	1	C189	B2C
515	3101051000020	Chip capacitor 0402 10PF J 50V (RoHS)	1	C258	B3B
516	3101051040060	Chip capacitor 0402 0.1UF K 16V (RoHS)	1	C123	B1B
517	3101051040060	Chip capacitor 0402 0.1UF K 16V (RoHS)	1	C178	T2B
518	3101051040060	Chip capacitor 0402 0.1UF K 16V (RoHS)	1	C211	B3B
519	3101051040060	Chip capacitor 0402 0.1UF K 16V (RoHS)	1	C233	B4E
520	3101051040060	Chip capacitor 0402 0.1UF K 16V (RoHS)	1	C246	B2F
521	3101051040060	Chip capacitor 0402 0.1UF K 16V (RoHS)	1	C255	T4A
522	3101051040060	Chip capacitor 0402 0.1UF K 16V (RoHS)	1	C256	B1G
523	3101051040060	Chip capacitor 0402 0.1UF K 16V (RoHS)	1	C37	B4B
524	3101051040060	Chip capacitor 0402 0.1UF K 16V (RoHS)	1	C38	B4C

No.	Material No.	Description	Qty	Ref. No.	Address
525	3101051040060	Chip capacitor 0402 0.1UF K 16V (RoHS)	1	C39	B4D
526	3101051040060	Chip capacitor 0402 0.1UF K 16V (RoHS)	1	C40	T2F
527	3101051040060	Chip capacitor 0402 0.1UF K 16V (RoHS)	1	C43	B3C
528	3101051040060	Chip capacitor 0402 0.1UF K 16V (RoHS)	1	C45	B5B
529	3101051040060	Chip capacitor 0402 0.1UF K 16V (RoHS)	1	C46	B3C
530	3101051040060	Chip capacitor 0402 0.1UF K 16V (RoHS)	1	C50	T4G
531	3101051040060	Chip capacitor 0402 0.1UF K 16V (RoHS)	1	C51	B3I
532	3101051040060	Chip capacitor 0402 0.1UF K 16V (RoHS)	1	C64	T2F
533	3101051040060	Chip capacitor 0402 0.1UF K 16V (RoHS)	1	C84	T2E
534	3101052220010	Chip capacitor 0402 2.2nF K 50V (RoHS)	1	C252	T3A
535	3101052220010	Chip capacitor 0402 2.2nF K 50V (RoHS)	1	C253	T3A
536	3101052490010	Chip capacitor 0402 2.4PF B 50V (RoHS)	1	C104	B4G
537	3101052490010	Chip capacitor 0402 2.4PF B 50V (RoHS)	1	C182	B1D
538	3101055620010	Chip capacitor 0402 5600PF K 25V (RoHS)	1	C47	B3D
539	3101050100030	Chip capacitor 0402 1PF B 50V (RoHS)	1	C140	B4I
540	3101050100030	Chip capacitor 0402 1PF B 50V (RoHS)	1	C146	B4J
541	3101050100030	Chip capacitor 0402 1PF B 50V (RoHS)	1	C95	B1E
542	3104071050010	Tantalum capacitor 0805 1UF M 16V (RoHS)	1	C200	T4E
543	3104071050010	Tantalum capacitor 0805 1UF M 16V (RoHS)	1	C85	B1G
544	3104071050010	Tantalum capacitor 0805 1UF M 16V (RoHS)	1	C86	B1F
545	3104071050010	Tantalum capacitor 0805 1UF M 16V (RoHS)	1	C87	B2G
546	3610045003030	SCM M38224M6A-371HP#U0 (RoHS)	1	IC11	T3C
547	3101074750010	Chip capacitor 0805 4.7UF K 10V (RoHS)	1	C214	B4C
548	3001066830000	Chip resistor 0603 68KΩ J 1/10W(RoHS)	1	R157	T4F
549	3104081560020	Tantalum capacitor 1206 15UF M 10V (RoHS)	1	C115	B2C
550	3403007000070	Transistor DTA144EE (RoHS)	1	Q37	T2G
551	3001061840000	Chip resistor 0603 180KΩ J 1/10W(RoHS)	1	R83	T1E
552	3605008005070	Operational amplifier NJM2904V (RoHS)	1	IC6	T2H
553	3215006100010	Multi-layer chip inductor 0603 10nH (RoHS)	1	L29	B3H
554	3101064740020	Chip capacitor 0603 0.47UF Z 16V(RoHS)	1	C259	T3I
555	3212106101000	Multi-layer chip inductor 0603 100nH (RoHS)	1	L47	B2C
556	3104081550020	Tantalum capacitor 1206 1.5UF M 16V (RoHS)	1	C124	B1B
557	3001061540010	Chip resistor 0603 150KΩ D 1/10W(RoHS)	1	R139	B4A
558	3001061540010	Chip resistor 0603 150KΩ D 1/10W(RoHS)	1	R14	B3D
559	3001061540010	Chip resistor 0603 150KΩ D 1/10W(RoHS)	1	R140	B4A
560	3001061540010	Chip resistor 0603 150KΩ D 1/10W(RoHS)	1	R141	B4A
561	3001061540010	Chip resistor 0603 150KΩ D 1/10W(RoHS)	1	R142	B4A
562	3001061540010	Chip resistor 0603 150KΩ D 1/10W(RoHS)	1	R179	T1H
563	3001061540010	Chip resistor 0603 150KΩ D 1/10W(RoHS)	1	R180	T2G
564	3001061540010	Chip resistor 0603 150KΩ D 1/10W(RoHS)	1	R182	T1G
565	3001061540010	Chip resistor 0603 150KΩ D 1/10W(RoHS)	1	R183	T1H
566	3001061540010	Chip resistor 0603 150KΩ D 1/10W(RoHS)	1	R184	T2G
567	3001061540010	Chip resistor 0603 150KΩ D 1/10W(RoHS)	1	R185	T1G
568	4100600100430	TC-600U PCB IT158 1.0T/4L/4P (RoHS)	1		

No.	Material No.	Description	Qty	Ref. No.	Address
569	3001051510010	Chip resistor 0402 150Ω F 1/16W(RoHS)	1	R616	T3E
570	3001050000000	Chip resistor 0402 0Ω J 1/16W(RoHS)	1	R611	T4G

# TC-600 UHF Parts List 1

## 450-470MHz

No.	Material No.	Description	Qty	Ref. No.	Address
1	3001060000000	Chip resistor 0603 0Ω J 1/10W(RoHS)	1	C23	B3F
2	3001060000000	Chip resistor 0603 0Ω J 1/10W(RoHS)	1	D20	T1D
3	3001060000000	Chip resistor 0603 0Ω J 1/10W(RoHS)	1	R106	T3F
4	3001060000000	Chip resistor 0603 0Ω J 1/10W(RoHS)	1	R107	B3B
5	3001060000000	Chip resistor 0603 0Ω J 1/10W(RoHS)	1	R110	T4G
6	3001060000000	Chip resistor 0603 0Ω J 1/10W(RoHS)	1	R116	T3B
7	3001060000000	Chip resistor 0603 0Ω J 1/10W(RoHS)	1	R151	B5E
8	3001060000000	Chip resistor 0603 0Ω J 1/10W(RoHS)	1	R192	B4E
9	3001060000000	Chip resistor 0603 0Ω J 1/10W(RoHS)	1	R194	B3F
10	3001060000000	Chip resistor 0603 0Ω J 1/10W(RoHS)	1	R197	B4F
11	3001060000000	Chip resistor 0603 0Ω J 1/10W(RoHS)	1	R202	B2B
12	3001060000000	Chip resistor 0603 0Ω J 1/10W(RoHS)	1	R508	B5B
13	3001060000000	Chip resistor 0603 0Ω J 1/10W(RoHS)	1	R602	B3C
14	3001060000000	Chip resistor 0603 0Ω J 1/10W(RoHS)	1	R630	T1G
15	3001060000000	Chip resistor 0603 0Ω J 1/10W(RoHS)	1	R78	T2G
16	3001051040010	Chip resistor 0402 100KΩ J 1/16W(RoHS)	1	R623	B2F
17	3001051040010	Chip resistor 0402 100KΩ J 1/16W(RoHS)	1	R624	B2E
18	3001058230000	Chip resistor 0402 82KΩ J 1/16W(RoHS)	1	R618	B1E
19	3001061000000	Chip resistor 0603 10Ω J 1/10W(RoHS)	1	R112	T3E
20	3001061000000	Chip resistor 0603 10Ω J 1/10W(RoHS)	1	R113	T5J
21	3001061000000	Chip resistor 0603 10Ω J 1/10W(RoHS)	1	R164	B2C
22	3001061000000	Chip resistor 0603 10Ω J 1/10W(RoHS)	1	R196	B4G
23	3001061000000	Chip resistor 0603 10Ω J 1/10W(RoHS)	1	R80	B2D
24	3001061000000	Chip resistor 0603 10Ω J 1/10W(RoHS)	1	R82	B4G
25	3001061010000	Chip resistor 0603 100Ω J 1/10W(RoHS)	1	R127	B5F
26	3001061010000	Chip resistor 0603 100Ω J 1/10W(RoHS)	1	R147	B4E
27	3001061010000	Chip resistor 0603 100Ω J 1/10W(RoHS)	1	R74	B2C
28	3001061010000	Chip resistor 0603 100Ω J 1/10W(RoHS)	1	R75	B4J
29	3001061010000	Chip resistor 0603 100Ω J 1/10W(RoHS)	1	R76	B5E
30	3001061010000	Chip resistor 0603 100Ω J 1/10W(RoHS)	1	R90	T5H
31	3001061020010	Chip resistor 0603 1KΩ J 1/10W(RoHS)	1	R114	B1B
32	3001061020010	Chip resistor 0603 1KΩ J 1/10W(RoHS)	1	R118	B2I
33	3001061020010	Chip resistor 0603 1KΩ J 1/10W(RoHS)	1	R210	B1G
34	3001061020010	Chip resistor 0603 1KΩ J 1/10W(RoHS)	1	R211	B4B
35	3001061020010	Chip resistor 0603 1KΩ J 1/10W(RoHS)	1	R212	B3B
36	3001061020010	Chip resistor 0603 1KΩ J 1/10W(RoHS)	1	R218	B3C
37	3001061020010	Chip resistor 0603 1KΩ J 1/10W(RoHS)	1	R39	B3B
38	3001061020010	Chip resistor 0603 1KΩ J 1/10W(RoHS)	1	R51	B1F

39	3001061020010	Chip resistor 0603 1KΩ J 1/10W(RoHS)	1	R52	T3F
40	3001061020010	Chip resistor 0603 1KΩ J 1/10W(RoHS)	1	R53	B2D
41	3001061020010	Chip resistor 0603 1KΩ J 1/10W(RoHS)	1	R56	B2B
42	3001061020010	Chip resistor 0603 1KΩ J 1/10W(RoHS)	1	R57	B5B
43	3001061020010	Chip resistor 0603 1KΩ J 1/10W(RoHS)	1	R58	T4B
44	3001061020010	Chip resistor 0603 1KΩ J 1/10W(RoHS)	1	R59	T3B
45	3001061020010	Chip resistor 0603 1KΩ J 1/10W(RoHS)	1	R60	T2D
46	3001061020010	Chip resistor 0603 1KΩ J 1/10W(RoHS)	1	R61	T2D
47	3001061020010	Chip resistor 0603 1KΩ J 1/10W(RoHS)	1	R63	B4J
48	3001061020010	Chip resistor 0603 1KΩ J 1/10W(RoHS)	1	R89	T4I
49	3001061030010	Chip resistor 0603 10KΩ J 1/10W(RoHS)	1	R100	T4B
50	3001061030010	Chip resistor 0603 10KΩ J 1/10W(RoHS)	1	R119	B2A
51	3001061030010	Chip resistor 0603 10KΩ J 1/10W(RoHS)	1	R178	T2H
52	3001061030010	Chip resistor 0603 10KΩ J 1/10W(RoHS)	1	R204	T2G
53	3001061030010	Chip resistor 0603 10KΩ J 1/10W(RoHS)	1	R213	B3C
54	3001061030010	Chip resistor 0603 10KΩ J 1/10W(RoHS)	1	R36	B4B
55	3001061030010	Chip resistor 0603 10KΩ J 1/10W(RoHS)	1	R37	T2E
56	3001061030010	Chip resistor 0603 10KΩ J 1/10W(RoHS)	1	R38	B2A
57	3001061030010	Chip resistor 0603 10KΩ J 1/10W(RoHS)	1	R40	B3F
58	3001061030010	Chip resistor 0603 10KΩ J 1/10W(RoHS)	1	R41	T5F
59	3001061030010	Chip resistor 0603 10KΩ J 1/10W(RoHS)	1	R42	T5E
60	3001061030010	Chip resistor 0603 10KΩ J 1/10W(RoHS)	1	R44	B2B
61	3001061030010	Chip resistor 0603 10KΩ J 1/10W(RoHS)	1	R45	B2I
62	3001061040010	Chip resistor 0603 100KΩ J 1/10W(RoHS)	1	R10	B4C
63	3001061040010	Chip resistor 0603 100KΩ J 1/10W(RoHS)	1	R12	B4B
64	3001061040010	Chip resistor 0603 100KΩ J 1/10W(RoHS)	1	R13	B3D
65	3001061040010	Chip resistor 0603 100KΩ J 1/10W(RoHS)	1	R145	T5F
66	3001061040010	Chip resistor 0603 100KΩ J 1/10W(RoHS)	1	R15	B3D
67	3001061040010	Chip resistor 0603 100KΩ J 1/10W(RoHS)	1	R175	T1B
68	3001061040010	Chip resistor 0603 100KΩ J 1/10W(RoHS)	1	R176	T2B
69	3001061040010	Chip resistor 0603 100KΩ J 1/10W(RoHS)	1	R18	T4B
70	3001061040010	Chip resistor 0603 100KΩ J 1/10W(RoHS)	1	R35	T2C
71	3001061040010	Chip resistor 0603 100KΩ J 1/10W(RoHS)	1	R625	B2E
72	3001061040010	Chip resistor 0603 100KΩ J 1/10W(RoHS)	1	R626	B3F
73	3001061040010	Chip resistor 0603 100KΩ J 1/10W(RoHS)	1	R7	B5B
74	3001061040010	Chip resistor 0603 100KΩ J 1/10W(RoHS)	1	R8	B2E
75	3001061040010	Chip resistor 0603 100KΩ J 1/10W(RoHS)	1	R9	B1D
76	3001061050010	Chip resistor 0603 1MΩ J 1/10W(RoHS)	1	R109	T2B
77	3001061050010	Chip resistor 0603 1MΩ J 1/10W(RoHS)	1	R181	T2G
78	3001061230000	Chip resistor 0603 12KΩ J 1/10W(RoHS)	1	R170	B1D
79	3001061240010	Chip resistor 0603 120KΩ J 1/10W(RoHS)	1	R11	B2B
80	3001061240010	Chip resistor 0603 120KΩ J 1/10W(RoHS)	1	R124	T3F
81	3001061240010	Chip resistor 0603 120KΩ J 1/10W(RoHS)	1	R72	B2D

82	3001061510000	Chip resistor 0603 150Ω J 1/10W(RoHS)	1	R68	B2E
83	3001061510000	Chip resistor 0603 150Ω J 1/10W(RoHS)	1	R69	B2C
84	3001061520000	Chip resistor 0603 1.5KΩ J 1/10W(RoHS)	1	R203	T2E
85	3001061520000	Chip resistor 0603 1.5KΩ J 1/10W(RoHS)	1	R50	T5F
86	3001061520000	Chip resistor 0603 1.5KΩ J 1/10W(RoHS)	1	R55	T2E
87	3001061530010	Chip resistor 0603 15KΩ J 1/10W(RoHS)	1	R161	T4F
88	3001061530010	Chip resistor 0603 15KΩ J 1/10W(RoHS)	1	R162	T4G
89	3001061530010	Chip resistor 0603 15KΩ J 1/10W(RoHS)	1	R163	T4F
90	3001061530010	Chip resistor 0603 15KΩ J 1/10W(RoHS)	1	R299	B5G
91	3001061820000	Chip resistor 0603 1.8KΩ J 1/10W(RoHS)	1	R131	T4E
92	3001061820000	Chip resistor 0603 1.8KΩ J 1/10W(RoHS)	1	R144	B3C
93	3001061850000	Chip resistor 0603 1.8MΩ J 1/10W(RoHS)	1	R155	T5G
94	3001061850000	Chip resistor 0603 1.8MΩ J 1/10W(RoHS)	1	R156	T5F
95	3001062030000	Chip resistor 0603 20KΩ J 1/10W(RoHS)	1	R98	B3D
96	3001062210000	Chip resistor 0603 220Ω J 1/10W(RoHS)	1	R67	B2D
97	3001062220000	Chip resistor 0603 2.2KΩ J 1/10W(RoHS)	1	R115	B2A
98	3001062220000	Chip resistor 0603 2.2KΩ J 1/10W(RoHS)	1	R165	B4F
99	3001062220000	Chip resistor 0603 2.2KΩ J 1/10W(RoHS)	1	R174	T4H
100	3001062220000	Chip resistor 0603 2.2KΩ J 1/10W(RoHS)	1	R187	T2G
101	3001062220000	Chip resistor 0603 2.2KΩ J 1/10W(RoHS)	1	R209	B1G
102	3001062220000	Chip resistor 0603 2.2KΩ J 1/10W(RoHS)	1	R3	B4B
103	3001062220000	Chip resistor 0603 2.2KΩ J 1/10W(RoHS)	1	R6	T2B
104	3001062230000	Chip resistor 0603 22KΩ J 1/10W(RoHS)	1	R199	B3B
105	3001062230000	Chip resistor 0603 22KΩ J 1/10W(RoHS)	1	R120	T4G
106	3001062230000	Chip resistor 0603 22KΩ J 1/10W(RoHS)	1	R128	B3B
107	3001062240010	Chip resistor 0603 220KΩ J 1/10W(RoHS)	1	R167	T1D
108	3001062240010	Chip resistor 0603 220KΩ J 1/10W(RoHS)	1	R17	B2F
109	3001062720000	Chip resistor 0603 2.7KΩ J 1/10W(RoHS)	1	R49	B4D
110	3001062720000	Chip resistor 0603 2.7KΩ J 1/10W(RoHS)	1	R64	B2G
111	3001062720000	Chip resistor 0603 2.7KΩ J 1/10W(RoHS)	1	R65	B2G
112	3001062730000	Chip resistor 0603 27KΩ D 1/10W(RoHS)	1	R104	B3H
113	3001062730010	Chip resistor 0603 27KΩ J 1/10W(RoHS)	1	R102	B3H
114	3001062730010	Chip resistor 0603 27KΩ J 1/10W(RoHS)	1	R132	B3C
115	3001062730010	Chip resistor 0603 27KΩ J 1/10W(RoHS)	1	R186	T2G
116	3001062740010	Chip resistor 0603 270KΩ J 1/10W(RoHS)	1	R16	B3D
117	3001062740010	Chip resistor 0603 270KΩ J 1/10W(RoHS)	1	R2	B3D
118	3001063020000	Chip resistor 0603 3KΩ J 1/10W(RoHS)	1	R81	B3F
119	3001063310010	Chip resistor 0603 330Ω J 1/10W (RoHS)	1	R108	B3E
120	3001063310010	Chip resistor 0603 330Ω J 1/10W (RoHS)	1	R146	B4D
121	3001063310010	Chip resistor 0603 330Ω J 1/10W (RoHS)	1	R619	B4D
122	3001063320000	Chip resistor 0603 3.3KΩ J 1/10W(RoHS)	1	R135	B4A
123	3001063320000	Chip resistor 0603 3.3KΩ J 1/10W(RoHS)	1	R136	B4A
124	3001063320000	Chip resistor 0603 3.3KΩ J 1/10W(RoHS)	1	R137	B4B



125	3001063320000	Chip resistor 0603 3.3KΩ J 1/10W(RoHS)	1	R138	B5A
126	3001063320000	Chip resistor 0603 3.3KΩ J 1/10W(RoHS)	1	R25	B4B
127	3001063320000	Chip resistor 0603 3.3KΩ J 1/10W(RoHS)	1	R26	B4C
128	3001063320000	Chip resistor 0603 3.3KΩ J 1/10W(RoHS)	1	R27	B2F
129	3001063320000	Chip resistor 0603 3.3KΩ J 1/10W(RoHS)	1	R28	B1F
130	3001063320000	Chip resistor 0603 3.3KΩ J 1/10W(RoHS)	1	R29	B2D
131	3001063320000	Chip resistor 0603 3.3KΩ J 1/10W(RoHS)	1	R30	B2E
132	3001063320000	Chip resistor 0603 3.3KΩ J 1/10W(RoHS)	1	R31	B3G
133	3001063320000	Chip resistor 0603 3.3KΩ J 1/10W(RoHS)	1	R32	B5E
134	3001063320000	Chip resistor 0603 3.3KΩ J 1/10W(RoHS)	1	R33	T5F
135	3001063320000	Chip resistor 0603 3.3KΩ J 1/10W(RoHS)	1	R34	B2D
136	3001063320000	Chip resistor 0603 3.3KΩ J 1/10W(RoHS)	1	R601	B1E
137	3001063330000	Chip resistor 0603 33KΩ D 1/10W(RoHS)	1	R143	B4J
138	3001063330010	Chip resistor 0603 33KΩ J 1/10W (RoHS)	1	R198	T4E
139	3001063330010	Chip resistor 0603 33KΩ J 1/10W (RoHS)	1	R215	B4C
140	3001063330010	Chip resistor 0603 33KΩ J 1/10W (RoHS)	1	R24	T2G
141	3001063340000	Chip resistor 0603 330KΩ J 1/10W(RoHS)	1	R43	T2A
142	3001063920000	Chip resistor 0603 3.9KΩ J 1/10W(RoHS)	1	R117	B2B
143	3001063930010	Chip resistor 0603 39KΩ J 1/10W(RoHS)	1	R152	T5F
144	3001063930010	Chip resistor 0603 39KΩ J 1/10W(RoHS)	1	R153	T5F
145	3001063930010	Chip resistor 0603 39KΩ J 1/10W(RoHS)	1	R158	T5F
146	3001063930010	Chip resistor 0603 39KΩ J 1/10W(RoHS)	1	R159	T5E
147	3001064700000	Chip resistor 0603 47Ω J 1/10W(RoHS)	1	R123	B3G
148	3001064700000	Chip resistor 0603 47Ω J 1/10W(RoHS)	1	R125	B3H
149	3001064700000	Chip resistor 0603 47Ω J 1/10W(RoHS)	1	R191	B2B
150	3001064700000	Chip resistor 0603 47Ω J 1/10W(RoHS)	1	R96	B2B
151	3001064710000	Chip resistor 0603 470Ω J 1/10W(RoHS)	1	R166	B4F
152	3001064720000	Chip resistor 0603 4.7KΩ J 1/10W(RoHS)	1	R121	T1B
153	3001064720000	Chip resistor 0603 4.7KΩ J 1/10W(RoHS)	1	R177	T2A
154	3001064720000	Chip resistor 0603 4.7KΩ J 1/10W(RoHS)	1	R206	T4A
155	3001064720000	Chip resistor 0603 4.7KΩ J 1/10W(RoHS)	1	R207	T4A
156	3001064720000	Chip resistor 0603 4.7KΩ J 1/10W(RoHS)	1	R208	T3a
157	3001064720000	Chip resistor 0603 4.7KΩ J 1/10W(RoHS)	1	R84	B2C
158	3001064720000	Chip resistor 0603 4.7KΩ J 1/10W(RoHS)	1	R87	T1A
159	3001064720000	Chip resistor 0603 4.7KΩ J 1/10W(RoHS)	1	R88	T1C
160	3001064720000	Chip resistor 0603 4.7KΩ J 1/10W(RoHS)	1	R99	T1B
161	3001064730000	Chip resistor 0603 47KΩ J 1/10W(RoHS)	1	R101	B4H
162	3001064730000	Chip resistor 0603 47KΩ J 1/10W(RoHS)	1	R103	B4G
163	3001064730000	Chip resistor 0603 47KΩ J 1/10W(RoHS)	1	R105	B1E
164	3001064730000	Chip resistor 0603 47KΩ J 1/10W(RoHS)	1	R154	T4F
165	3001064730000	Chip resistor 0603 47KΩ J 1/10W(RoHS)	1	R214	B3C
166	3001064730000	Chip resistor 0603 47KΩ J 1/10W(RoHS)	1	R217	B3C
167	3001064730000	Chip resistor 0603 47KΩ J 1/10W(RoHS)	1	R4	T2B

168	3001064730000	Chip resistor 0603 47KΩ J 1/10W(RoHS)	1	R54	T3G
169	3001064730000	Chip resistor 0603 47KΩ J 1/10W(RoHS)	1	R606	T3I
170	3001064730000	Chip resistor 0603 47KΩ J 1/10W(RoHS)	1	R607	T3I
171	3001064730000	Chip resistor 0603 47KΩ J 1/10W(RoHS)	1	R608	T3I
172	3001064730000	Chip resistor 0603 47KΩ J 1/10W(RoHS)	1	R609	T3I
173	3001064730000	Chip resistor 0603 47KΩ J 1/10W(RoHS)	1	R610	T2C
174	3001064730000	Chip resistor 0603 47KΩ J 1/10W(RoHS)	1	R615	B3B
175	3001064730000	Chip resistor 0603 47KΩ J 1/10W(RoHS)	1	R93	T2F
176	3001064740010	Chip resistor 0603 470KΩ J 1/10W(RoHS)	1	R22	T1D
177	3001064740010	Chip resistor 0603 470KΩ J 1/10W(RoHS)	1	R94	T2F
178	3001065610000	Chip resistor 0603 560Ω J 1/10W(RoHS)	1	R5	B4E
179	3001065610000	Chip resistor 0603 560Ω J 1/10W(RoHS)	1	R62	B2I
180	3001065620000	Chip resistor 0603 5.6KΩ D 1/10W(RoHS)	1	R216	B3C
181	3001065620010	Chip resistor 0603 5.6KΩ J 1/10W(RoHS)	1	R130	B4B
182	3001065620010	Chip resistor 0603 5.6KΩ J 1/10W(RoHS)	1	R79	B2D
183	3001065630000	Chip resistor 0603 56KΩ J 1/10W(RoHS)	1	R157	T4F
184	3001065640000	Chip resistor 0603 560KΩ J 1/10W(RoHS)	1	R148	B4D
185	3001066810010	Chip resistor 0603 680Ω J 1/10W(RoHS)	1	R70	B3F
186	3001066820000	Chip resistor 0603 6.8KΩ J 1/10W(RoHS)	1	R85	T4F
187	3001066830000	Chip resistor 0603 68KΩ J 1/10W(RoHS)	1	R200	B2B
188	3001066840000	Chip resistor 0603 680KΩ J 1/10W(RoHS)	1	R1	B4B
189	3001066840000	Chip resistor 0603 680KΩ J 1/10W(RoHS)	1	R134	B3C
190	3001067540000	Chip resistor 0603 750KΩ J 1/10W(RoHS)	1	R160	T4G
191	3001068200000	Chip resistor 0603 82Ω J 1/10W(RoHS)	1	R171	B1D
192	3001068210010	Chip resistor 0603 820Ω J 1/10W (RoHS)	1	R47	B4C
193	3001068210010	Chip resistor 0603 820Ω J 1/10W (RoHS)	1	R66	B1F
194	3001068220000	Chip resistor 0603 8.2KΩ J 1/10W(RoHS)	1	R169	B1D
195	3001068230010	Chip resistor 0603 82KΩ J 1/10W(RoHS)	1	R149	B3E
196	3001068230010	Chip resistor 0603 82KΩ J 1/10W(RoHS)	1	R133	T2C
197	3001068230010	Chip resistor 0603 82KΩ J 1/10W(RoHS)	1	R627	B3E
198	3001068230010	Chip resistor 0603 82KΩ J 1/10W(RoHS)	1	R97	B3C
199	3001070000000	Chip resistor 0805 0Ω J 1/8W(RoHS)	1	L3	B3H
200	3002994730000	Trimmer resistor 2.7*2.0*1.6 47KΩ ±25% (RoHS)	1	VR2	T5E
201	3002996830000	Trimmer resistor(2*2) 68KΩ(+25%) (RoHS)	1	VR3	T4E
202	3002996830000	Trimmer resistor(2*2) 68KΩ(+25%) (RoHS)	1	VR4	T1B
203	3002996830000	Trimmer resistor(2*2) 68KΩ(+25%) (RoHS)	1	VR5	B3I
204	3002996830000	Trimmer resistor(2*2) 68KΩ(+25%) (RoHS)	1	VR6	T2G
205	3002996830000	Trimmer resistor(2*2) 68KΩ(+25%) (RoHS)	1	VR7	T1E
206	3005991030070	Resistor array 0603 10KΩ*4 J 1/16W*4 (RoHS)	1	CP1	T1B
207	3005991030070	Resistor array 0603 10KΩ*4 J 1/16W*4 (RoHS)	1	CP6	T4A
208	3005991030070	Resistor array 0603 10KΩ*4 J 1/16W*4 (RoHS)	1	CP7	T4B
209	3005061030040	Resistor array 0603 10KΩ*2 J 1/16W (RoHS)	1	CP5	T1B
210	3005061030040	Resistor array 0603 10KΩ*2 J 1/16W (RoHS)	1	CP8	T4B

211	3005064720000	Resistor array 0603 4.7K $\Omega$ *2 J 1/16W (RoHS)	1	CP10	T4A
212	3005064720000	Resistor array 0603 4.7K $\Omega$ *2 J 1/16W (RoHS)	1	CP4	T1B
213	3005064720010	Resistor array 0603 4.7K $\Omega$ *4 J 1/16W*4 (RoHS)	1	CP3	T1B
214	3005064720010	Resistor array 0603 4.7K $\Omega$ *4 J 1/16W*4 (RoHS)	1	CP9	T4A
215	3101050200010	Chip capacitor 0402 2PF B 50V (RoHS)	1	C143	B4I
216	3101050200010	Chip capacitor 0402 2PF B 50V (RoHS)	1	C190	T2D
217	3101050200010	Chip capacitor 0402 2PF B 50V (RoHS)	1	C191	T3D
218	3101050200010	Chip capacitor 0402 2PF B 50V (RoHS)	1	C192	B1D
219	3101050200010	Chip capacitor 0402 2PF B 50V (RoHS)	1	C195	B2B
220	3101050200010	Chip capacitor 0402 2PF B 50V (RoHS)	1	C99	T2D
221	3101050300000	Chip capacitor 0402 3PF B 50V (RoHS)	1	C103	B2B
222	3101050300000	Chip capacitor 0402 3PF B 50V (RoHS)	1	C105	B4G
223	3101050300000	Chip capacitor 0402 3PF B 50V (RoHS)	1	C135	B3F
224	3101050400010	Chip capacitor 0402 4PF B 50V (RoHS)	1	C107	B4E
225	3101050400010	Chip capacitor 0402 4PF B 50V (RoHS)	1	C134	B5H
226	3101050400010	Chip capacitor 0402 4PF B 50V (RoHS)	1	C136	B4H
227	3101050400010	Chip capacitor 0402 4PF B 50V (RoHS)	1	C141	B4I
228	3101050400010	Chip capacitor 0402 4PF B 50V (RoHS)	1	C186	B2C
229	3101050400010	Chip capacitor 0402 4PF B 50V (RoHS)	1	C89	B4I
230	3101050500010	Chip capacitor 0402 5PF B 50V (RoHS)	1	C139	B4I
231	3101050500010	Chip capacitor 0402 5PF B 50V (RoHS)	1	C142	B4I
232	3101050590020	Chip capacitor 0402 0.5PF B 50V (RoHS)	1	C163	B4F
233	3101050590020	Chip capacitor 0402 0.5PF B 50V (RoHS)	1	C164	B4G
234	3101050590020	Chip capacitor 0402 0.5PF B 50V (RoHS)	1	C91	B2D
235	3101050590020	Chip capacitor 0402 0.5PF B 50V (RoHS)	1	C94	B4E
236	3101050600010	Chip capacitor 0402 6PF B 50V (RoHS)	1	C101	B4I
237	3101050600010	Chip capacitor 0402 6PF B 50V (RoHS)	1	C106	B5E
238	3101050600010	Chip capacitor 0402 6PF B 50V (RoHS)	1	C108	B5E
239	3101050600010	Chip capacitor 0402 6PF B 50V (RoHS)	1	C182	B1D
240	3101050600010	Chip capacitor 0402 6PF B 50V (RoHS)	1	C189	B2C
241	3101050600010	Chip capacitor 0402 6PF B 50V (RoHS)	1	C96	B2D
242	3101050600010	Chip capacitor 0402 6PF B 50V (RoHS)	1	C97	B2E
243	3101050600010	Chip capacitor 0402 6PF B 50V (RoHS)	1	C98	B3G
244	3101050700010	Chip capacitor 0402 7PF B 50V (RoHS)	1	C193	B1D
245	3101050800000	Chip capacitor 0402 8PF B 50V (RoHS)	1	C90	B1E
246	3101051010030	Chip capacitor 0402 100PF J 50V (RoHS)	1	C132	B2D
247	3101051010030	Chip capacitor 0402 100PF J 50V (RoHS)	1	C15	B2A
248	3101051010030	Chip capacitor 0402 100PF J 50V (RoHS)	1	C16	B2A
249	3101051010030	Chip capacitor 0402 100PF J 50V (RoHS)	1	C17	B2A
250	3101051010030	Chip capacitor 0402 100PF J 50V (RoHS)	1	C179	B3D
251	3101051010030	Chip capacitor 0402 100PF J 50V (RoHS)	1	C180	B2A
252	3101051010030	Chip capacitor 0402 100PF J 50V (RoHS)	1	C185	T1H
253	3101051010030	Chip capacitor 0402 100PF J 50V (RoHS)	1	C212	B4C

254	3101051010030	Chip capacitor 0402 100PF J 50V (RoHS)	1	C35	B4F
255	3101051020010	Chip capacitor 0402 1000PF K 50V (RoHS)	1	C109	B2C
256	3101051020010	Chip capacitor 0402 1000PF K 50V (RoHS)	1	C110	B2C
257	3101051020010	Chip capacitor 0402 1000PF K 50V (RoHS)	1	C111	B4H
258	3101051020010	Chip capacitor 0402 1000PF K 50V (RoHS)	1	C113	B2B
259	3101051020010	Chip capacitor 0402 1000PF K 50V (RoHS)	1	C114	B3H
260	3101051020010	Chip capacitor 0402 1000PF K 50V (RoHS)	1	C121	B2E
261	3101051020010	Chip capacitor 0402 1000PF K 50V (RoHS)	1	C206	B3J
262	3101051020010	Chip capacitor 0402 1000PF K 50V (RoHS)	1	C59	B1G
263	3101051020010	Chip capacitor 0402 1000PF K 50V (RoHS)	1	C60	B1G
264	3101051020010	Chip capacitor 0402 1000PF K 50V (RoHS)	1	C61	B2G
265	3101051020010	Chip capacitor 0402 1000PF K 50V (RoHS)	1	C62	B2G
266	3101051020010	Chip capacitor 0402 1000PF K 50V (RoHS)	1	C65	B1C
267	3101051020010	Chip capacitor 0402 1000PF K 50V (RoHS)	1	C66	T1E
268	3101051020010	Chip capacitor 0402 1000PF K 50V (RoHS)	1	C68	B3H
269	3101051020010	Chip capacitor 0402 1000PF K 50V (RoHS)	1	C69	B3B
270	3101051020010	Chip capacitor 0402 1000PF K 50V (RoHS)	1	C70	B4A
271	3101051020010	Chip capacitor 0402 1000PF K 50V (RoHS)	1	C71	B5B
272	3101051020010	Chip capacitor 0402 1000PF K 50V (RoHS)	1	C73	B3E
273	3101051020010	Chip capacitor 0402 1000PF K 50V (RoHS)	1	C74	B4E
274	3101051020010	Chip capacitor 0402 1000PF K 50V (RoHS)	1	C75	T4F
275	3101051020010	Chip capacitor 0402 1000PF K 50V (RoHS)	1	C77	T4G
276	3101051020010	Chip capacitor 0402 1000PF K 50V (RoHS)	1	C78	T2D
277	3101051020010	Chip capacitor 0402 1000PF K 50V (RoHS)	1	C79	T1E
278	3101051020010	Chip capacitor 0402 1000PF K 50V (RoHS)	1	C80	T1D
279	3101051020010	Chip capacitor 0402 1000PF K 50V (RoHS)	1	C81	T1C
280	3101051020010	Chip capacitor 0402 1000PF K 50V (RoHS)	1	C82	B2I
281	3101051020010	Chip capacitor 0402 1000PF K 50V (RoHS)	1	C83	B2I
282	3101051030020	Chip capacitor 0402 0.01UF K 25V (RoHS)	1	C10	T5F
283	3101051030020	Chip capacitor 0402 0.01UF K 25V (RoHS)	1	C11	T1B
284	3101051030020	Chip capacitor 0402 0.01UF K 25V (RoHS)	1	C12	B3I
285	3101051030020	Chip capacitor 0402 0.01UF K 25V (RoHS)	1	C137	T2I
286	3101051030020	Chip capacitor 0402 0.01UF K 25V (RoHS)	1	C2	B4B
287	3101051030020	Chip capacitor 0402 0.01UF K 25V (RoHS)	1	C240	T4J
288	3101051030020	Chip capacitor 0402 0.01UF K 25V (RoHS)	1	C241	T3J
289	3101051030020	Chip capacitor 0402 0.01UF K 25V (RoHS)	1	C242	T3J
290	3101051030020	Chip capacitor 0402 0.01UF K 25V (RoHS)	1	C243	T4J
291	3101051030020	Chip capacitor 0402 0.01UF K 25V (RoHS)	1	C3	B4B
292	3101051030020	Chip capacitor 0402 0.01UF K 25V (RoHS)	1	C4	B4C
293	3101051030020	Chip capacitor 0402 0.01UF K 25V (RoHS)	1	C5	B1F
294	3101051030020	Chip capacitor 0402 0.01UF K 25V (RoHS)	1	C7	B2C
295	3101051030020	Chip capacitor 0402 0.01UF K 25V (RoHS)	1	C8	B4A
296	3101051230000	Chip capacitor 0402 0.012UF K 16V (RoHS)	1	C156	B5B

297	3101051520000	Chip capacitor 0402 1500PF K 50V (RoHS)	1	C232	T4F
298	3101051520000	Chip capacitor 0402 1500PF K 50V (RoHS)	1	C76	T4G
299	3101051590000	Chip capacitor 0402 1.5PF B 50V (RoHS)	1	C196	B3E
300	3101051830000	Chip capacitor 0402 0.018UF K 16V(RoHS)	1	C255	T4A
301	3101052200010	Chip capacitor 0402 22PF J 50V (RoHS)	1	C100	B2D
302	3101052200010	Chip capacitor 0402 22PF J 50V (RoHS)	1	C188	B1C
303	3101052210010	Chip capacitor 0402 220PF K 50V (RoHS)	1	C13	B4B
304	3101052210010	Chip capacitor 0402 220PF K 50V (RoHS)	1	C14	B4B
305	3101052210010	Chip capacitor 0402 220PF K 50V (RoHS)	1	C239	T5I
306	3101052230000	Chip capacitor 0402 0.022UF K 16V(RoHS)	1	C167	T5F
307	3101052230000	Chip capacitor 0402 0.022UF K 16V(RoHS)	1	C168	T4G
308	3101052230000	Chip capacitor 0402 0.022UF K 16V(RoHS)	1	C169	T4G
309	3101052230000	Chip capacitor 0402 0.022UF K 16V(RoHS)	1	C170	T1B
310	3101052230000	Chip capacitor 0402 0.022UF K 16V(RoHS)	1	C44	B4B
311	3101052230000	Chip capacitor 0402 0.022UF K 16V(RoHS)	1	C9	T5F
312	3101052700000	Chip capacitor 0402 27PF J 50V (RoHS)	1	C138	B3H
313	3101052700000	Chip capacitor 0402 27PF J 50V (RoHS)	1	C18	B5B
314	3101052720000	Chip capacitor 0402 2700PF K 50V(RoHS)	1	C172	T5F
315	3101053000010	Chip capacitor 0402 30PF J 50V (RoHS)	1	C55	B3I
316	3101053300000	Chip capacitor 0402 33PF J 50V (RoHS)	1	C175	T2B
317	3101053300000	Chip capacitor 0402 33PF J 50V (RoHS)	1	C176	T3B
318	3101053300000	Chip capacitor 0402 33PF J 50V (RoHS)	1	C42	B4G
319	3101053300000	Chip capacitor 0402 33PF J 50V (RoHS)	1	C52	B4B
320	3101053300000	Chip capacitor 0402 33PF J 50V (RoHS)	1	C53	B4B
321	3101053300000	Chip capacitor 0402 33PF J 50V (RoHS)	1	C54	B4C
322	3101053320010	Chip capacitor 0402 3300PF K 50V (RoHS)	1	C166	T5F
323	3101053330000	Chip capacitor 0402 0.033UF K 16V(RoHS)	1	C150	B4B
324	3101053330000	Chip capacitor 0402 0.033UF K 16V(RoHS)	1	C151	B4A
325	3101053330000	Chip capacitor 0402 0.033UF K 16V(RoHS)	1	C152	B4B
326	3101053330000	Chip capacitor 0402 0.033UF K 16V(RoHS)	1	C153	B4B
327	3101053330000	Chip capacitor 0402 0.033UF K 16V(RoHS)	1	C160	B3D
328	3101053340000	Chip capacitor 0402 0.33UF K 6.3V(RoHS)	1	C126	B1B
329	3101053340000	Chip capacitor 0402 0.33UF K 6.3V(RoHS)	1	C127	B1A
330	3101053340000	Chip capacitor 0402 0.33UF K 6.3V(RoHS)	1	C133	B4G
331	3101053900000	Chip capacitor 0402 39PF J 50V(RoHS)	1	C128	B2A
332	3101053910000	Chip capacitor 0402 390PF J 50V(RoHS)	1	C67	B3H
333	3101053920000	Chip capacitor 0402 3900PF K 25V(RoHS)	1	C181	T2C
334	3101053930000	Chip capacitor 0402 0.039UF K 10V(RoHS)	1	C122	T2E
335	3101054700010	Chip capacitor 0402 47PF J 50V (RoHS)	1	C129	B2A
336	3101054710010	Chip capacitor 0402 470PF K 50V (RoHS)	1	C116	T2H
337	3101054710010	Chip capacitor 0402 470PF K 50V (RoHS)	1	C149	B2G
338	3101054710010	Chip capacitor 0402 470PF K 50V (RoHS)	1	C171	T5F
339	3101054710010	Chip capacitor 0402 470PF K 50V (RoHS)	1	C183	T1H

340	3101054710010	Chip capacitor 0402 470PF K 50V (RoHS)	1	C184	T2G
341	3101054710010	Chip capacitor 0402 470PF K 50V (RoHS)	1	C197	B3B
342	3101054710010	Chip capacitor 0402 470PF K 50V (RoHS)	1	C20	B5B
343	3101054710010	Chip capacitor 0402 470PF K 50V (RoHS)	1	C204	B4F
344	3101054710010	Chip capacitor 0402 470PF K 50V (RoHS)	1	C207	B3F
345	3101054710010	Chip capacitor 0402 470PF K 50V (RoHS)	1	C208	B4J
346	3101054710010	Chip capacitor 0402 470PF K 50V (RoHS)	1	C21	B2E
347	3101054710010	Chip capacitor 0402 470PF K 50V (RoHS)	1	C22	B2D
348	3101054710010	Chip capacitor 0402 470PF K 50V (RoHS)	1	C231	B1C
349	3101054710010	Chip capacitor 0402 470PF K 50V (RoHS)	1	C24	B4G
350	3101054710010	Chip capacitor 0402 470PF K 50V (RoHS)	1	C25	B2B
351	3101054710010	Chip capacitor 0402 470PF K 50V (RoHS)	1	C251	B3F
352	3101054710010	Chip capacitor 0402 470PF K 50V (RoHS)	1	C257	T2G
353	3101054710010	Chip capacitor 0402 470PF K 50V (RoHS)	1	C26	B2B
354	3101054710010	Chip capacitor 0402 470PF K 50V (RoHS)	1	C27	B3G
355	3101054710010	Chip capacitor 0402 470PF K 50V (RoHS)	1	C28	B4H
356	3101054710010	Chip capacitor 0402 470PF K 50V (RoHS)	1	C29	B3I
357	3101054710010	Chip capacitor 0402 470PF K 50V (RoHS)	1	C30	B4I
358	3101054710010	Chip capacitor 0402 470PF K 50V (RoHS)	1	C31	B2D
359	3101054710010	Chip capacitor 0402 470PF K 50V (RoHS)	1	C32	B5E
360	3101054710010	Chip capacitor 0402 470PF K 50V (RoHS)	1	C33	B5F
361	3101054710010	Chip capacitor 0402 470PF K 50V (RoHS)	1	C34	T5G
362	3101054710010	Chip capacitor 0402 470PF K 50V (RoHS)	1	C36	B4E
363	3101054720000	Chip capacitor 0402 4700PF K 50V (RoHS)	1	C57	B4C
364	3101054730000	Chip capacitor 0402 0.047UF K 10V(RoHS)	1	C157	T5F
365	3101054730000	Chip capacitor 0402 0.047UF K 10V(RoHS)	1	C158	T4E
366	3101054730000	Chip capacitor 0402 0.047UF K 10V(RoHS)	1	C161	T2C
367	3101054730000	Chip capacitor 0402 0.047UF K 10V(RoHS)	1	C162	B4D
368	3101054730000	Chip capacitor 0402 0.047UF K 10V(RoHS)	1	C209	B3B
369	3101054730000	Chip capacitor 0402 0.047UF K 10V(RoHS)	1	C210	B3B
370	3101054730000	Chip capacitor 0402 0.047UF K 10V(RoHS)	1	C237	T3F
371	3101056800000	Chip capacitor 0402 68PF J 50V(RoHS)	1	C147	B4I
372	3101056820000	Chip capacitor 0402 6800PF K 25V(RoHS)	1	C254	B1G
373	3101058200000	Chip capacitor 0402 82PF J 50V (RoHS)	1	C58	B4C
374	3101060100010	Chip capacitor 0603 1PF B 50V (RoHS)	1	C92	B2C
375	3101060590010	Chip capacitor 0603 0.5PF B 50V (RoHS)	1	C93	B4E
376	3101060600010	Chip capacitor 0603 6PF B 50V (RoHS)	1	C145	B4J
377	3101061020000	Chip capacitor 0603 1000PF K 50V (RoHS)	1	C198	T4G
378	3101061020000	Chip capacitor 0603 1000PF K 50V (RoHS)	1	C235	B4J
379	3101061020000	Chip capacitor 0603 1000PF K 50V (RoHS)	1	C63	B1D
380	3101061020000	Chip capacitor 0603 1000PF K 50V (RoHS)	1	C72	B3D
381	3101061040010	Chip capacitor 0603 0.1UF K 16V (RoHS)	1	C48	T4G
382	3101061040010	Chip capacitor 0603 0.1UF K 16V (RoHS)	1	C49	T4G

383	3101061800000	Chip capacitor 0603 18PF J 50V (RoHS)	1	C19	B1C
384	3101062000000	Chip capacitor 0603 20PF J 50V (RoHS)	1	C506	B3I
385	3101064710000	Chip capacitor 0603 470PF K 50V (RoHS)	1	R111	B4E
386	3101064710000	Chip capacitor 0603 470PF K 50V (RoHS)	1	R150	B5F
387	3101071040000	Chip capacitor 0805 0.1UF K 25V(RoHS)	1	C194	T5H
388	3102992000040	Trimmer capacitor 3.2*2.5*1.25mm 10P 55V (RoHS)	1	TC1	B1D
389	3102992000040	Trimmer capacitor 3.2*2.5*1.25mm 10P 55V (RoHS)	1	TC2	B1C
390	3102992000040	Trimmer capacitor 3.2*2.5*1.25mm 10P 55V (RoHS)	1	TC3	B4G
391	3102992000040	Trimmer capacitor 3.2*2.5*1.25mm 10P 55V (RoHS)	1	TC4	B5F
392	3102992000040	Trimmer capacitor 3.2*2.5*1.25mm 10P 55V (RoHS)	1	TC5	B4E
393	3104071050010	Tantalum capacitor 0805 1UF M 16V (RoHS)	1	C200	T4E
394	3104071050010	Tantalum capacitor 0805 1UF M 16V (RoHS)	1	C85	B1G
395	3104071050010	Tantalum capacitor 0805 1UF M 16V (RoHS)	1	C86	B1F
396	3104071050010	Tantalum capacitor 0805 1UF M 16V (RoHS)	1	C87	B1G
397	3104081050000	Tantalum capacitor 1206 1UF M 16V (RoHS)	1	C174	T3F
398	3104081560020	Tantalum capacitor 1206 15UF M 10V (RoHS)	1	C115	B2C
399	3104082250030	Tantalum capacitor 1206 2.2UF K 16V (RoHS)	1	C165	T5F
400	3104084750030	Tantalum capacitor 1206 4.7UF K 16V (RoHS)	1	C117	B1B
401	3104084750030	Tantalum capacitor 1206 4.7UF K 16V (RoHS)	1	C120	B2G
402	3104084750030	Tantalum capacitor 1206 4.7UF K 16V (RoHS)	1	C173	T4F
403	3104084750030	Tantalum capacitor 1206 4.7UF K 16V (RoHS)	1	C177	T1D
404	3104086850000	Tantalum capacitor 1206 6.8UF±20% 10V (RoHS)	1	C112	T2G
405	3104086850000	Tantalum capacitor 1206 6.8UF±20% 10V (RoHS)	1	C238	T3E
406	3104202270000	Tantalum capacitor C-encapsulation 220UF M 6.3V (RoHS)	1	C203	T5G
407	3199050758000	Chip capacitor 0402 0.75P B 50V(RoHS)	1	C104	B4G
408	3210107221000	Bobbin inductor 0805 220nH (RoHS)	1	L4	B4J
409	3210108230010	Bobbin inductor 1206 23nH (RoHS)	1	L16	B2B
410	3210108230010	Bobbin inductor 1206 23nH (RoHS)	1	L44	B1E
411	3210209102010	Bobbin inductor 1210 1uH (RoHS)	1	L43	B5J
412	3210305150010	Multi-layer chip inductor 0402 15nH (RoHS)	1	L21	B3G
413	3210305150010	Multi-layer chip inductor 0402 15nH (RoHS)	1	L39	B5E
414	3210305180000	Multi-layer chip inductor 0402 18nH (RoHS)	1	L26	B2B
415	3210305220000	Multi-layer chip inductor 0402 22nH (RoHS)	1	L18	B2D
416	3210305220000	Multi-layer chip inductor 0402 22nH (RoHS)	1	L19	B2D
417	3210305220000	Multi-layer chip inductor 0402 22nH (RoHS)	1	L25	B3E
418	3210306569000	Multi-layer chip inductor 0603 5.6nH (RoHS)	1	L29	B3H
419	3212105101000	Multi-layer chip inductor 0402 100nH (RoHS)	1	L17	B1C
420	3212105101000	Multi-layer chip inductor 0402 100nH (RoHS)	1	L40	B5E
421	3212105101000	Multi-layer chip inductor 0402 100nH (RoHS)	1	L48	B1C
422	3212105470000	Multi-layer chip inductor 0402 47nH (RoHS)	1	L45	B2D
423	3213212102000	Multi-layer chip inductor 1008 1uH (RoHS)	1	L9	B3B
424	3213212331000	Multi-layer chip inductor 1008 330nH (RoHS)	1	L49	B3E

425	3213212471000	Multi-layer chip inductor 1008 470nH (RoHS)	1	L37	B3F
426	3213306102000	Multi-layer chip inductor 0603 1uH (RoHS)	1	L1	B4B
427	3213306102000	Multi-layer chip inductor 0603 1uH (RoHS)	1	L14	T4H
428	3213306221010	Multi-layer chip inductor 0603 0.22uH (RoHS)	1	L41	T2E
429	3213306332000	Multi-layer chip inductor 0603 3.3uH (RoHS)	1	L46	B2C
430	3213306332000	Multi-layer chip inductor 0603 3.3uH (RoHS)	1	L5	B2E
431	3221506601000	Chip ferrite bead 0603 600Ω±25% (RoHS)	1	L12	B3G
432	3221506601000	Chip ferrite bead 0603 600Ω±25% (RoHS)	1	L13	B2B
433	3221506601000	Chip ferrite bead 0603 600Ω±25% (RoHS)	1	L6	B2D
434	3221506601000	Chip ferrite bead 0603 600Ω±25% (RoHS)	1	L7	B2D
435	3221506601000	Chip ferrite bead 0603 600Ω±25% (RoHS)	1	L8	B2A
436	3221507221000	Chip ferrite bead 0805 220Ω±25% (RoHS)	1	L11	B3H
437	3221507600000	Chip ferrite bead 0805 60Ω±25% (RoHS)	1	L10	B3I
438	3221507600000	Chip ferrite bead 0805 60Ω±25% (RoHS)	1	L15	B2G
439	3231301250000	Air-core inductor E2-0.30*1.2*5TL (RoHS)	1	L2	B3H
440	3231351630000	Air-core inductor E2-0.35*1.6*3TR (RoHS)	1	L34	B5E
441	3231351630000	Air-core inductor E2-0.35*1.6*3TR (RoHS)	1	L35	B4E
442	3231351630000	Air-core inductor E2-0.35*1.6*3TR (RoHS)	1	L36	B4E
443	3231351630000	Air-core inductor E2-0.35*1.6*3TR (RoHS)	1	L38	B5F
444	3231351640000	Air-core inductor E2-0.35*1.6*4TL (RoHS)	1	L22	B4H
445	3231351640000	Air-core inductor E2-0.35*1.6*4TL (RoHS)	1	L23	B4I
446	3231351640000	Air-core inductor E2-0.35*1.6*4TL (RoHS)	1	L24	B4I
447	3231351640000	Air-core inductor E2-0.35*1.6*4TL (RoHS)	1	L28	B4J
448	3231351640000	Air-core inductor E2-0.35*1.6*4TL (RoHS)	1	L31	B4F
449	3231351640000	Air-core inductor E2-0.35*1.6*4TL (RoHS)	1	L32	B4G
450	3231351640000	Air-core inductor E2-0.35*1.6*4TL (RoHS)	1	L33	B4G
451	3231351680000	Air-core inductor E2-0.35*1.6*8TR (RoHS)	1	L30	B3I
452	3303010500290	Switching diode 1SS372(TE85L.F) (RoHS)	1	D18	T4F
453	3303020100020	Switching diode MA2S11100L (RoHS)	1	D13	B4J
454	3303020100020	Switching diode MA2S11100L (RoHS)	1	D9	B2C
455	3303020100070	Switching diode MA2Z07700L (RoHS)	1	D11	B4I
456	3303020100080	Switching diode MA2S07700L (RoHS)	1	D12	B5H
457	3303020100080	Switching diode MA2S07700L (RoHS)	1	D5	B3F
458	3303020100080	Switching diode MA2S07700L (RoHS)	1	D6	B3F
459	3303030100010	Switching diode DAN222(TL) (ROHS)	1	D19	T4G
460	3303210200000	Varactor MA2S37600L (RoHS)	1	D2	B2E
461	3303210200000	Varactor MA2S37600L (RoHS)	1	D3	B2D
462	3303210200000	Varactor MA2S37600L (RoHS)	1	D7	B1C
463	3303210200000	Varactor MA2S37600L (RoHS)	1	D8	B1C
464	3307110100080	LED KPT-1608SGC (RoHS)	1	D22	T2J
465	3307110100070	LED KPT-1608SRC (RoHS)	1	D24	T2J
466	3399990000160	Varactor MA2Z36000L (RoHS)	1	D4	B1D
467	3401001000080	Transistor 2SA1362-GR(TE85.F) (RoHS)	1	Q40	T3F



468	3401002000990	Transistor 2SC5108-Y(TE85L.F) (RoHS)	1	Q13	B2B
469	3401002000990	Transistor 2SC5108-Y(TE86L.F) (RoHS)	1	Q14	B2D
470	3401002000990	Transistor 2SC5108-Y(TE87L.F) (RoHS)	1	Q22	B4D
471	3403007000000	Transistor DTA114EE(TL) (RoHS)	1	Q10	B4D
472	3403007000020	Transistor DTA114YE(TL) (RoHS)	1	Q34	T2A
473	3403007000020	Transistor DTA114YE(TL) (RoHS)	1	Q47	B3B
474	3403007000020	Transistor DTA114YE(TL) (RoHS)	1	Q9	T2B
475	3403008000010	Transistor DTC114EE(TL) (RoHS)	1	Q28	B2J
476	3403008000010	Transistor DTC114EE(TL) (RoHS)	1	Q30	B2J
477	3403008000010	Transistor DTC114EE(TL) (RoHS)	1	Q36	T2G
478	3403008000010	Transistor DTC114EE(TL) (RoHS)	1	Q39	T2F
479	3403008000010	Transistor DTC114EE(TL) (RoHS)	1	Q45	T1B
480	3403008000070	Transistor DTC144EE(TL) (RoHS)	1	Q12	T2E
481	3403009000010	Transistor UMG3N(N-TR) (RoHS)	1	Q1	B1F
482	3403009000010	Transistor UMG3N(N-TR) (RoHS)	1	Q2	B2F
483	3404002000000	Transistor PRF957 (ROHS)	1	Q16	B1D
484	3406001000090	Transistor 2SC4988FRTR-E (RoHS)	1	Q17	B3G
485	3408002000030	Transistor 2SC4226-R24-A (RoHS)	1	Q15	B2D
486	3411002000020	Transistor 2SC5343EG (RoHS)	1	Q18	B2D
487	3411002000020	Transistor 2SC5343EG (RoHS)	1	Q19	B4A
488	3411002000020	Transistor 2SC5343EG (RoHS)	1	Q20	B4A
489	3411002000020	Transistor 2SC5343EG (RoHS)	1	Q24	T5F
490	3411002000020	Transistor 2SC5343EG (RoHS)	1	Q25	T5F
491	3411002000020	Transistor 2SC5343EG (RoHS)	1	Q26	T4G
492	3499000000140	Transistor 2SK508-K52-T1B-A (RoHS)	1	Q8	B2C
493	3499000000150	Transistor UMC4(NTR) (RoHS)	1	Q7	B1D
494	3499000000180	Transistor UFM717 (RoHS)	1	Q4	B1F
495	3499000000180	Transistor UFM717 (RoHS)	1	Q5	B1F
496	3501020000030	FET 3SK318YB-TL-E-Q (RoHS)	1	Q23	B3E
497	3501020000030	FET 3SK318YB-TL-E-Q (RoHS)	1	Q27	B5E
498	3503010000010	FET 2SJ243-T1-A (RoHS)	1	Q6	B1C
499	3503020000010	FET 2SK1588-T1-AZ (RoHS)	1	Q41	T3F
500	3503020000030	FET 2SK1824-T1-A (RoHS)	1	Q21	B5B
501	3503020000030	FET 2SK1824-T1-A (RoHS)	1	Q46	B2F
502	3503020000030	FET 2SK1824-T1-A (RoHS)	1	Q50	T2G
503	3503040000000	FET UPA572T-A (RoHS)	1	Q3	B2G
504	3504990000010	FET RD01MUS2-T113 (RoHS)	1	Q32	B3G
505	3504990000020	FET RD07MVS1-T112 (RoHS)	1	Q31	B3I
506	3602002005450	Audio amplifier TA7368F-ER(TE85L.F) (RoHS)	1	IC8	T3E
507	3603002005440	IF processor TA31136FNG(EL.HZ) 455MHz (RoHS)	1	IC1	B4C
508	3603008005040	Operational amplifier NJM2902V (RoHS)	1	IC7	B3C
509	3604002055090	PLL TB31202FN-EL(ELP.HZ) (RoHS)	1	IC2	B4J
510	3605008005010	Operational amplifier NJM2100V (RoHS)	1	IC3	T4F

511	3608015000000	Power management IC (voltage regulator) XC6201P502PR 5V (RoHS)	1	IC4	T1D
512	3609004005280	Reset IC PST9140NR (RoHS)	1	IC9	T2A
513	3612031004400	Memory AT24C08AN-10SU-2.7 8K (RoHS)	1	IC5	T5B
514	3701012850010	TCXO 12.8MHz NSA0298A (RoHS)	1	X4	B3A
515	3701737230020	Crystal 7.3728MHz DSX530GA (RoHS)	1	X3	T3B
516	3101051500020	Chip capacitor 0402 15PF J 50V (RoHS)	1	C56	B3F
517	3104081060080	Tantalum capacitor 1206 10UF M 10V (RoHS)	1	C1	B4B
518	3104081060080	Tantalum capacitor 1206 10UF M 10V (RoHS)	1	C118	T2E
519	3104081060080	Tantalum capacitor 1206 10UF M 10V (RoHS)	1	C125	B4F
520	3104081060080	Tantalum capacitor 1206 10UF M 10V (RoHS)	1	C155	B4A
521	3104081060080	Tantalum capacitor 1206 10UF M 10V (RoHS)	1	C159	B4B
522	3104081060080	Tantalum capacitor 1206 10UF M 10V (RoHS)	1	C248	T3E
523	3104071060010	Tantalum capacitor 0805 10UF M 6.3V (RoHS)	1	C202	B3B
524	3101051000020	Chip capacitor 0402 10PF J 50V (RoHS)	1	C130	B3A
525	3101051000020	Chip capacitor 0402 10PF J 50V (RoHS)	1	C144	T4F
526	3101051000020	Chip capacitor 0402 10PF J 50V (RoHS)	1	C187	B2C
527	3101051000020	Chip capacitor 0402 10PF J 50V (RoHS)	1	C88	B2E
528	3101051040060	Chip capacitor 0402 0.1UF K 16V (RoHS)	1	C123	B1B
529	3101051040060	Chip capacitor 0402 0.1UF K 16V (RoHS)	1	C178	T2B
530	3101051040060	Chip capacitor 0402 0.1UF K 16V (RoHS)	1	C211	B3B
531	3101051040060	Chip capacitor 0402 0.1UF K 16V (RoHS)	1	C233	B4E
532	3101051040060	Chip capacitor 0402 0.1UF K 16V (RoHS)	1	C256	B1G
533	3101051040060	Chip capacitor 0402 0.1UF K 16V (RoHS)	1	C37	B4B
534	3101051040060	Chip capacitor 0402 0.1UF K 16V (RoHS)	1	C38	B4C
535	3101051040060	Chip capacitor 0402 0.1UF K 16V (RoHS)	1	C39	B4D
536	3101051040060	Chip capacitor 0402 0.1UF K 16V (RoHS)	1	C40	T2F
537	3101051040060	Chip capacitor 0402 0.1UF K 16V (RoHS)	1	C43	B3C
538	3101051040060	Chip capacitor 0402 0.1UF K 16V (RoHS)	1	C45	B5B
539	3101051040060	Chip capacitor 0402 0.1UF K 16V (RoHS)	1	C46	B3C
540	3101051040060	Chip capacitor 0402 0.1UF K 16V (RoHS)	1	C50	T4G
541	3101051040060	Chip capacitor 0402 0.1UF K 16V (RoHS)	1	C51	B3I
542	3101051040060	Chip capacitor 0402 0.1UF K 16V (RoHS)	1	C64	T2F
543	3101051040060	Chip capacitor 0402 0.1UF K 16V (RoHS)	1	C84	T2E
544	3101052220010	Chip capacitor 0402 2.2nF K 50V (RoHS)	1	C252	T3A
545	3101052220010	Chip capacitor 0402 2.2nF K 50V (RoHS)	1	C253	T3A
546	3101055620010	Chip capacitor 0402 5600PF K 25V (RoHS)	1	C47	B3D
547	3101050100030	Chip capacitor 0402 1PF B 50V (RoHS)	1	C140	B2B
548	3101050100030	Chip capacitor 0402 1PF B 50V (RoHS)	1	C146	B4J
549	3101050100030	Chip capacitor 0402 1PF B 50V (RoHS)	1	C95	B1E
550	3610045003030	SCM M38224M6A-371HP#U0 (RoHS)	1	IC11	T3C
551	3104074750030	Tantalum capacitor 0805 4.7UF M 10V (RoHS)	1	C214	B3B
552	3001061840000	Chip resistor 0603 180KΩ J 1/10W(RoHS)	1	R83	T1E

553	3403007000070	Transistor DTA144EE (RoHS)	1	Q37	T2G
554	3605008005070	Operational amplifier NJM2904V (RoHS)	1	IC6	T2H
555	3001080590000	Chip resistor 1206 0.5Ω J 1/4W(RoHS)	1	R172	T2H
556	3001080590000	Chip resistor 1206 0.5Ω J 1/4W(RoHS)	1	R173	T2I
557	3001080590000	Chip resistor 1206 0.5Ω J 1/4W(RoHS)	1	R77	T2H
558	3101064740020	Chip capacitor 0603 0.47UF Z 16V(RoHS)	1	C259	T3I
559	3212106101000	Multi-layer chip inductor 0603 100nH (RoHS)	1	L47	B2C
560	3104081550020	Tantalum capacitor 1206 1.5UF M 16V (RoHS)	1	C124	B1B
561	3001061540010	Chip resistor 0603 150KΩ D 1/10W(RoHS)	1	R139	B4A
562	3001061540010	Chip resistor 0603 150KΩ D 1/10W(RoHS)	1	R14	B3D
563	3001061540010	Chip resistor 0603 150KΩ D 1/10W(RoHS)	1	R140	B4A
564	3001061540010	Chip resistor 0603 150KΩ D 1/10W(RoHS)	1	R141	B4A
565	3001061540010	Chip resistor 0603 150KΩ D 1/10W(RoHS)	1	R142	B4A
566	3001061540010	Chip resistor 0603 150KΩ D 1/10W(RoHS)	1	R179	T1H
567	3001061540010	Chip resistor 0603 150KΩ D 1/10W(RoHS)	1	R180	T2G
568	3001061540010	Chip resistor 0603 150KΩ D 1/10W(RoHS)	1	R182	T1G
569	3001061540010	Chip resistor 0603 150KΩ D 1/10W(RoHS)	1	R183	T1H
570	3001061540010	Chip resistor 0603 150KΩ D 1/10W(RoHS)	1	R184	T2G
571	3001061540010	Chip resistor 0603 150KΩ D 1/10W(RoHS)	1	R185	T1G
572	4100600100430	TC-600U PCB IT158 1.0T/4L/4P (RoHS)	1		
573	3001051510010	Chip resistor 0402 150Ω F 1/16W(RoHS)	1	R616	T3E
574	3001050000000	Chip resistor 0402 0Ω J 1/16W(RoHS)	1	R611	T4G

## Adjustment Description

The radio can be adjusted with PC programming software or by manual adjustment. Manual adjustment procedure of TC-600 is shown as follows. (Refer to “Model Set Mode” and “Manual Adjust Mode” in Specification section.)

### Instrument:

Radio Communication Test Set	1 set
Scanner	1 set
3A/10V Power Supply	1 set
Digital Voltmeter	1 set
3A Ammeter	1 set

### Adjustment:

#### 1. Initialization

It's necessary to set the model and initialize the radio before adjustment because there is no needed information in EEPROM when the radio is manufactured. Please refer to the “Model Set Mode” in Specification section for details.

#### 2. Adjustment

Some items can be adjusted in Conventional Mode and the others in Manual Adjust Mode. Turn on the power; the radio enters the Conventional Mode. If Manual Adjust Mode is enabled, turn on the power while holding down PTT and MONI key simultaneously, the radio enters Manual Adjust Mode in 2 seconds. (Refer to “Manual Adjust Mode” in *Specification* section.)

## VCO

Item	Condition	Measurement		Adjustment		Specification
		Test Instrument	Terminal	Part	Method	/Remarks
1. Power Supply	1. power supply voltage 7.2V DC					
2. Transmit VCO Lock Voltage	1. TX High. Turn to CH14 in manual adjust mode and press PTT.	Digital Voltmeter	CV	TC1	3.0V±0.1V	
	2. TX Low. Turn to CH13 in manual adjust mode and press PTT.				>0.7V	
3. Receive VCO Lock Voltage	1. RX High. Turn to CH14 in manual adjust mode.			TC2	2.6V±0.1V	
	2. RX Low. Turn to CH13 in manual adjust mode.				>0.7V	

Note: The radio transmits no matter whether VCO is locked or unlocked. Enter the Manual Adjust Mode for check in case of unlocked TX VCO.

**Receiver: (Enter the Manual Adjust Mode)**

Item	Condition	Measurement		Adjustment		Specification /Remarks
		Test Instrument	Terminal	Part	Method	
1. Band Pass Filter	1. RX Center. Turn to CH12 in manual adjust mode.	Scanner	ANT. TP2	TC3 TC4 TC5	Adjust the waveform to the top, and the top is flat, the bandwidth is about 20MHz, the sign of RX central frequency is at the center of the waveform.	
2. Sensitivity	1. RX Center. Turn to CH12 in manual adjust mode.	Radio Communication Test Set SSG output: -118dBm MOD: 1KHz DEV: $\pm 3$ KHz FILTER: 0.3-3.4kHz	ANT Speaker Jack		Check	SINAD: 12dB or higher
	2. RX Low. Turn to CH13 in manual adjust mode.					
	3. RX High. Turn to CH14 in manual adjust mode.					
3. Squelch	1. RX Center. Turn to CH2 in manual adjust mode. Adjust by PTT or Function key.	Radio Communication Test Set SSG output: -117dBm	ANT Speaker Jack		Level 9 Adjust to just close the squelch.	Adjust to squelch level 9
	2. RX Center. Turn to CH3 in manual adjust mode. Adjust by PTT or Function key.	Radio Communication Test Set SSG output: -125dBm			Level 3 Adjust to just close the squelch.	Adjust to squelch level 3

**Transmitter**

Item	Condition	Measurement		Adjustment		Specification
		Test Instrument	Terminal	Parts	Method	/Remarks
1. Transmit frequency	1. TX Center. Turn to CH12 in manual adjust mode and press PTT.	Radio Communication Test Set	ANT	TC6	Adjust it to center frequency	Error $\leq$ $\pm$ 50Hz
2. Max. Deviation	1. TX Center. Turn to CH12 in manual adjust mode and press PTT.	Radio Communication Test Set LPF: 15KHz AF: 1KHz 120mV	ANT MIC Jack	VR2	Adjust deviation to: 4.2kHz $\pm$ 100Hz(W) 2.2kHz $\pm$ 100Hz(N)	
3. Modulation Sensitivity	1. TX Center. Turn to CH12 in manual adjust mode and press PTT.	Radio Communication Test Set FILTER: 0.3-3.4KHz AF: 1KHz 13 $\pm$ 3mV	ANT MIC Jack		Check deviation: 2.2KHz-3.6KHz	
4. CTCSS Balance	1. TX Center. CTCSS: 67.0Hz. Turn to CH4 in manual adjust mode.	Radio Communication Test Set LPF: 300Hz	ANT	VR3	Adjust VR3, deviation tested on condition 1 and condition 2 are consistent, the difference $\leq$ 200Hz	67.0Hz CTCSS
	2. TX Center. CTCSS: 250.3Hz. Turn to CH4 in manual adjust mode and press PTT.					250.3Hz CTCSS
5. CTCSS Deviation	1. TX Center. CTCSS: 67.0Hz. Turn to CH4 in manual adjust mode. Adjust by PTT or Function key.	Radio Communication Test Set LPF: 300Hz	ANT		Adjust deviation to: 0.65kHz $\pm$ 100Hz(W) 0.35kHz $\pm$ 100Hz(N)	
6. CDCSS Deviation	1. TX Center. CDCSS: 023. Turn to CH5 in manual adjust mode. Adjust by PTT or Function key.				Adjust deviation to: 0.65kHz $\pm$ 100Hz(W) 0.35kHz $\pm$ 100Hz(N)	
7. DTMF Deviation	TX center, turn to CH15 in manual adjust mode	Radio Communication Test Set LPF: 15KHz	ANT	Observe	Deviation: $\leq$ 3.5KHz(W) $\leq$ 2.5KHz(N)	
8. Low Battery Alert Level	1. Turn to CH1 in manual adjust mode. Adjust the power supply voltage to 5.5V. Adjust by PTT or Function key.	Digital Voltmeter			Adjust the level to make LED just flash.	

**Note:** In Manual Adjust Mode, when channel selector knob is rotated to CH1-CH16, MIC jack can't connect with external cables. After adjustment is completed, short out the two SELF points and then turn the power on, the radio enters Model Set Mode. Then press PTT to disable the manual adjust mode.

# Disassembly and Assembly for Repair

## Disassemble the radio

### 1. Turn off the radio.

### 2. Remove the Battery:

- a. Push the battery latch on the back panel towards the top of the radio.
- b. Pull the top of the battery away from the radio chassis, and lift the battery from the radio. (See Figure 1)

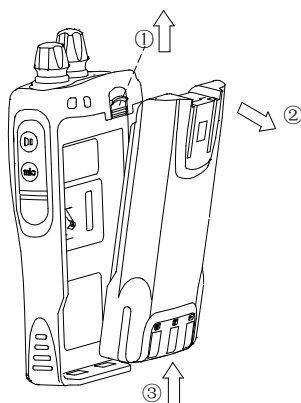


Fig. 1

### 3. Disassemble the main unit (aluminum chassis and PCB)

- a. Remove the two screws at the bottom of the chassis.
- b. Pull the Power/Volume Control knob and Channel Selector knob off.
- c. Remove the antenna at top of the radio. (See Figure 2)

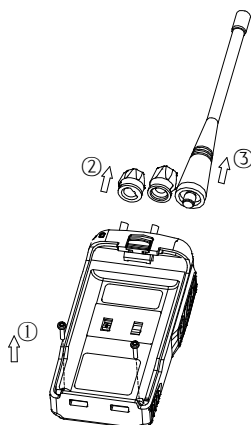


Fig. 2

- d. Lift the bottom of the chassis and pull it away from the front cover. (See Figure 3)

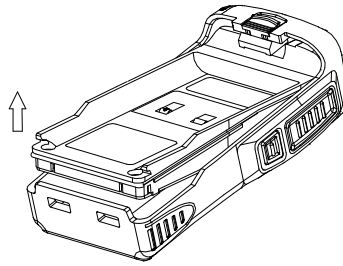


Fig. 3

The disassembled main unit is shown as Figure 4.

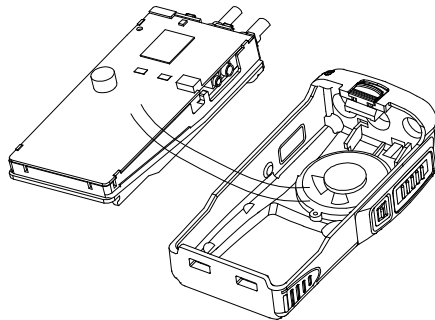


Fig. 4

#### 4. Disassemble the PTT key

- a. Remove the PTT holder (plastic) out of the PTT key.
- b. Push the PTT key in indicated direction until it is out of the front cover. (See figure 5)

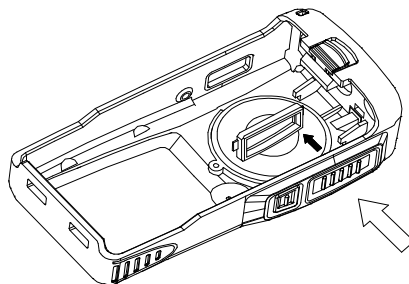


Fig. 5

## Assemble the radio

#### 1. Attach the PTT key

- a. Press the PTT key into the corresponding opening in the front cover.
- b. Slide the PTT holder into the key in indicated direction.



(See Figure 6)

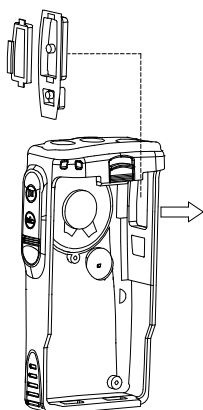


Fig. 6

## 2. Attach the battery

- a. Turn off the radio.
- b. Insert the tabs at the bottom of the battery into the slots at the bottom of the radio chassis.
- c. Press the top of the battery towards the radio until a “click” is heard. (See Figure 7)

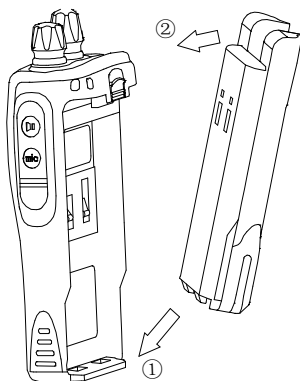
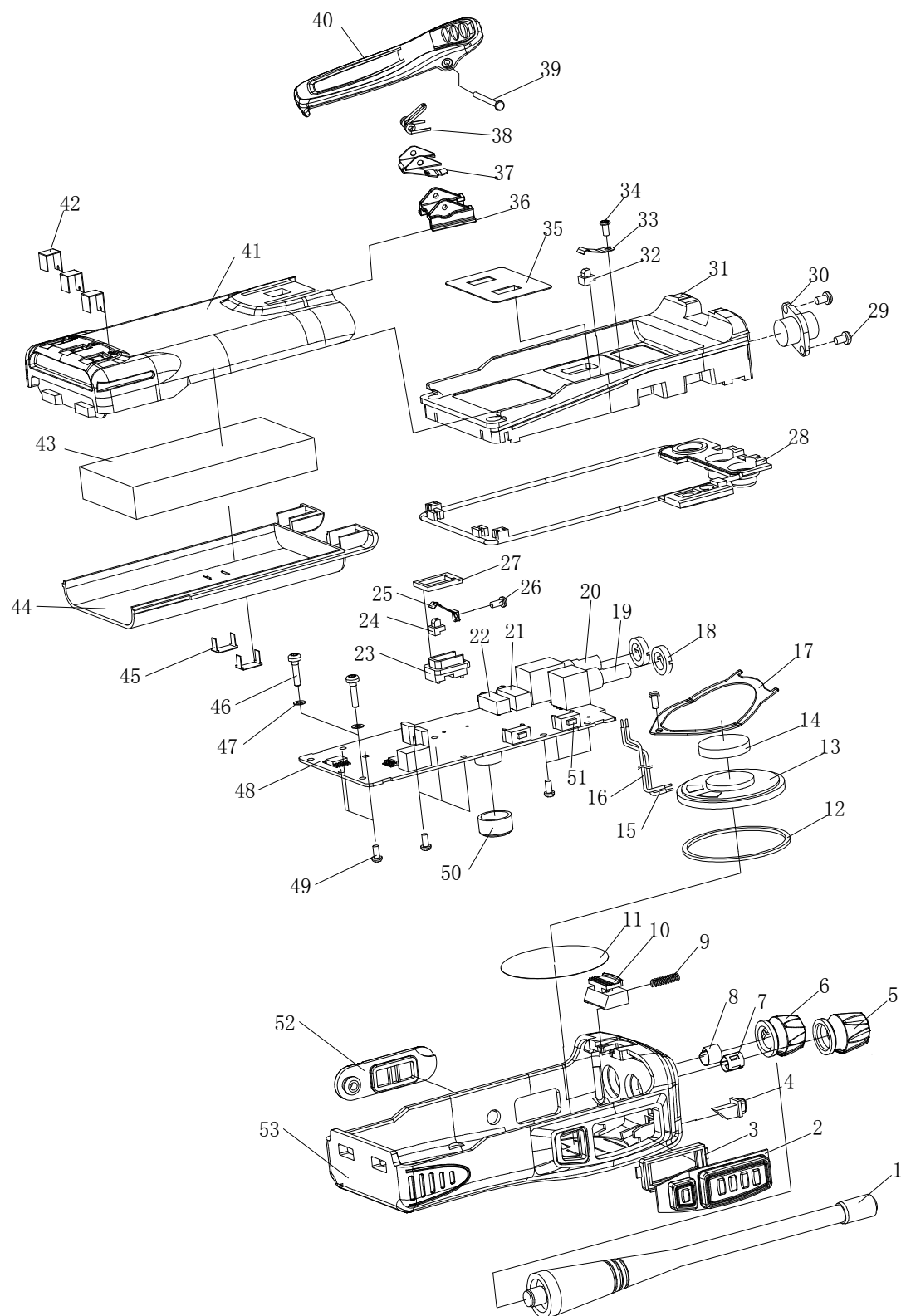


Fig. 7

# Exploded View



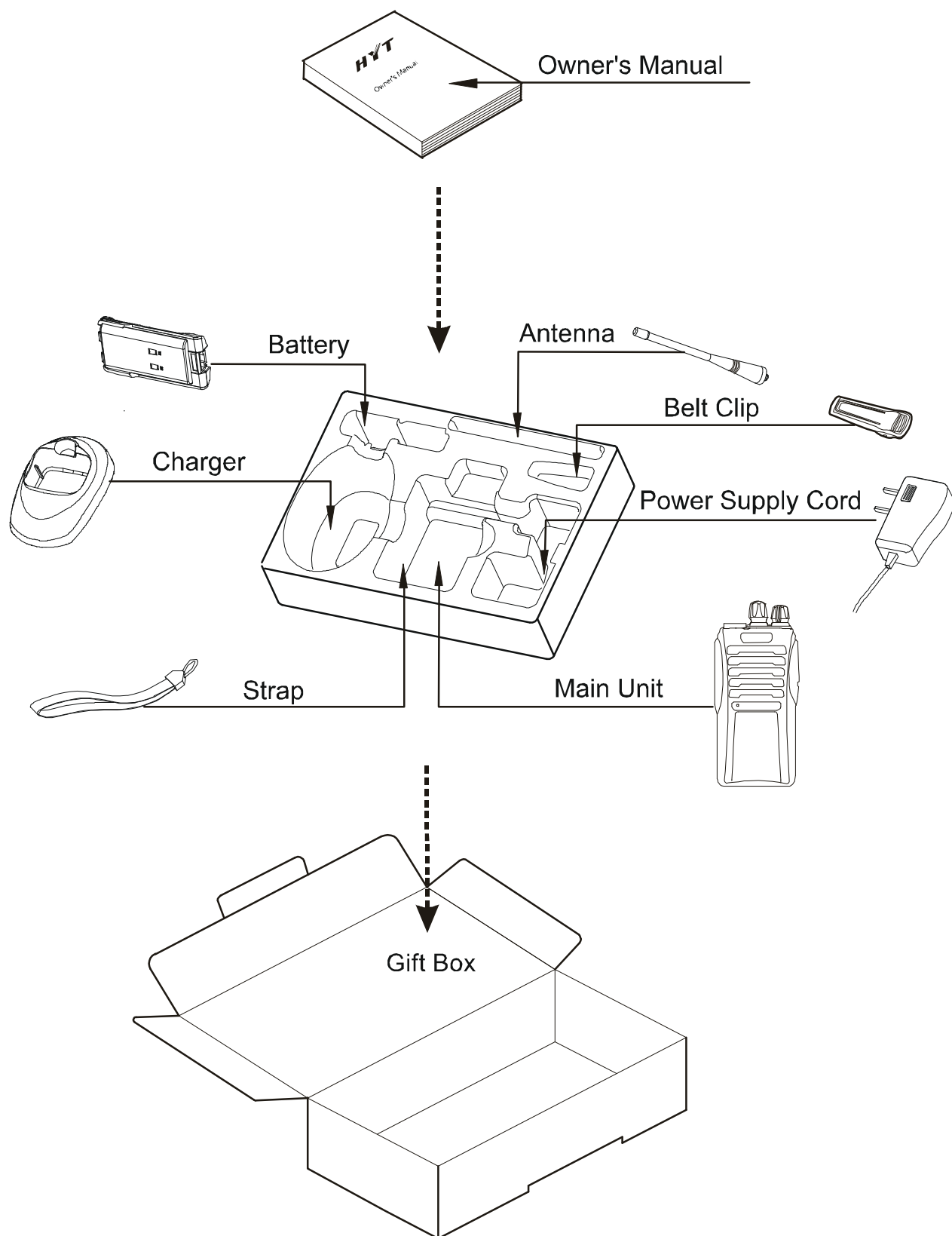
## TC-600 Parts List 2

No.	Material No.	Description	Qty.
1		Antenna	1
2	6100037000010	PTT key 01(RoHS)	1
3	6000079000000	PTT holder 00(RoHS)	1
4	6000080000020	Light guide 02(RoHS)	1
5	6000077000100	Volume control knob 00(RoHS)	1
6	6000076000100	Channel selector knob 00(RoHS)	1
7	6201006000000	Inner liner knob 00(RoHS)	1
8	6201066000000	Inner liner knob 00(RoHS)	1
9	7000016000000	Spring (battery latch) 00(RoHS)	1
10	6000075000040	Battery latch 04(RoHS)	1
11	7400075000000	Felt speaker (RoHS)	1
12	6100038000000	Silica rubber washer (speaker) 00(RoHS)	1
13	5001010000060	Speaker (RoHS)	1
14	7500023000000	Sponge pad (speaker) 00(RoHS)	1
15	4210060000100	Lead Black (RoHS)	1
16	4210060000000	Lead Red (RoHS)	1
17	6201033000010	Fixing ring (speaker) 01(RoHS)	1
18	7207002200200	Nut M7.0*2.2mm 00(RoHS)	2
19	4304030000010	Gray code channel selector knob (RoHS)	1
20	4303020000020	Volume switch (RoHS)	1
21	5205000000280	Speaker jack (RoHS)	1
22	5205000000190	Earpiece jack (RoHS)	1
23	6000078000000	Bracket (positive electrode piece) 00(RoHS)	1
24	7500115000000	Battery contact pad 00(RoHS)	1
25	6201032000000	Positive electrode piece 00(RoHS)	1
26	7102004021030	Self-tapping screw ST1.9*4.0mm 03(RoHS)	1
27	7500019000010	Sponge pad (positive electrode piece) 01(RoHS)	1
28	6100036000010	Waterproof ring 01(RoHS)	1
29	7102504000300	Machine screw M2.5*4.0mm 00(RoHS)	2
30	4400100008000	SMA-connector (RoHS)	1
31	6300009001020	Aluminum chassis 02(RoHS)	1
32	7500115000000	Battery contact pad 00(RoHS)	1
33	6201022000000	Negative electrode piece (battery) 00(RoHS)	1
34	7102004021030	Self-tapping screw ST1.9*4.0mm 03(RoHS)	1
35	7400019010000	PC cushion (aluminum chassis) 00(RoHS)	1
36	6300010000000	Metal holder (belt clip) 00(RoHS)	1
37	6201035000110	Dome (belt clip) 01 (RoHS)	1
38	7000018000130	Spring (belt clip) 03(RoHS)	1
39	7000020000010	Shaft (belt clip) 01(RoHS)	1
40	6000083000010	Plastic housing (belt clip) 01(RoHS)	1

41	6000073001210	Battery front case 01(RoHS)	1
42	6201503000000	Battery charging piece 00(RoHS)	3
43	5511100060000	Battery core (Ni-MH battery) (1100mAh) (RoHS)	1
44	6000074000000	Battery bottom cover 00(RoHS)	1
45	6201092000000	Positive and negative electrode piece (battery) 00(RoHS)	2
46	7102009000020	Machine screw M2.0*9.0mm 02(RoHS)	2
47	7400133010000	PC waterproof ring 00(RoHS)	2
48		PCB board	
49	7102004021030	Self-tapping screw ST1.9*4.0mm 03(RoHS)	10
50	6100075000000	MIC washer 00(RoHS)	1
51	4301040000060	PTT switch (RoHS)	1
52	6000081000000	Microphone cover 00(RoHS)	1
53	6000072000020	Front case 02(RoHS)	1

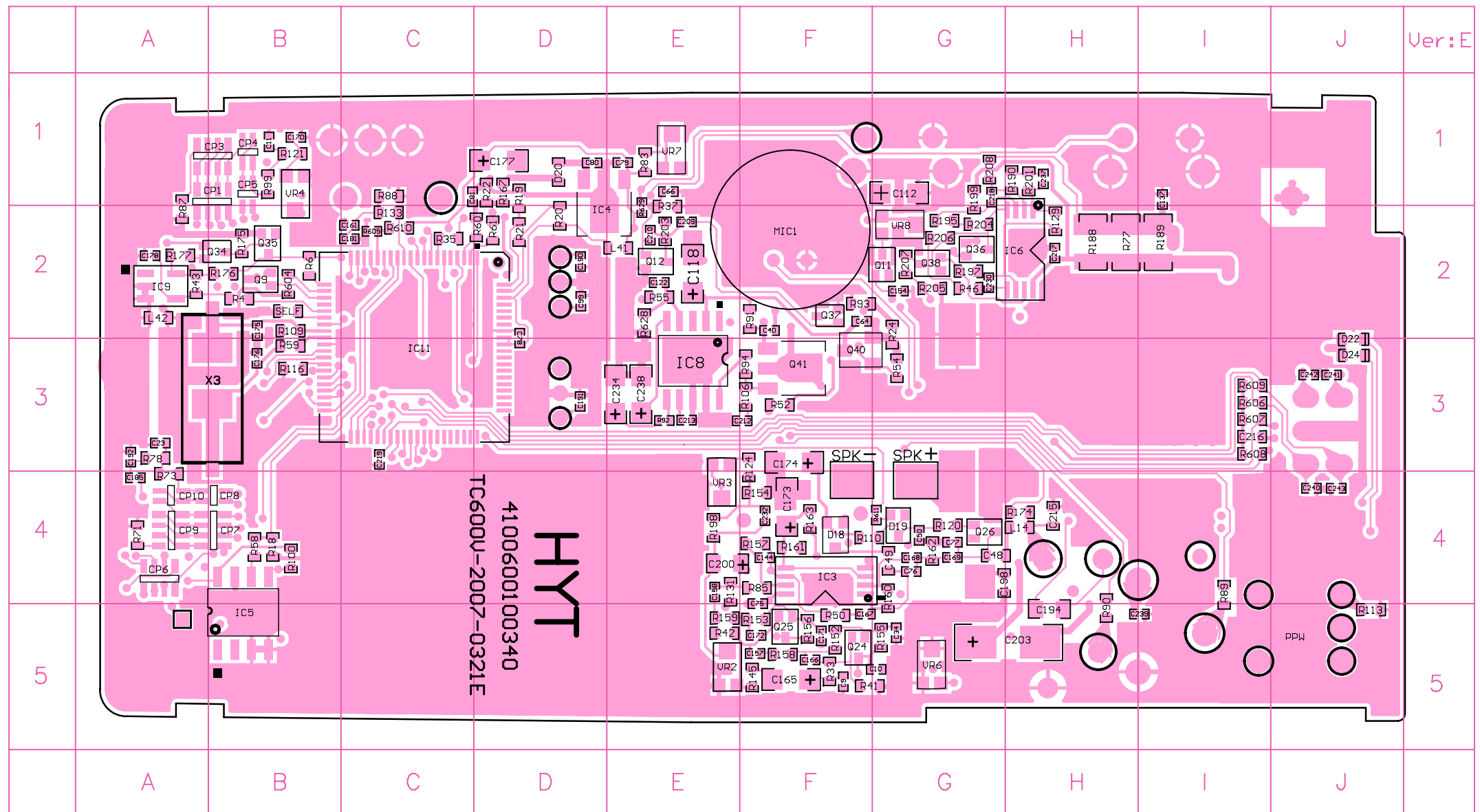
**Remarks:** Parts that are not marked with material number can vary according to changes of their corresponding frequencies.

# Packing



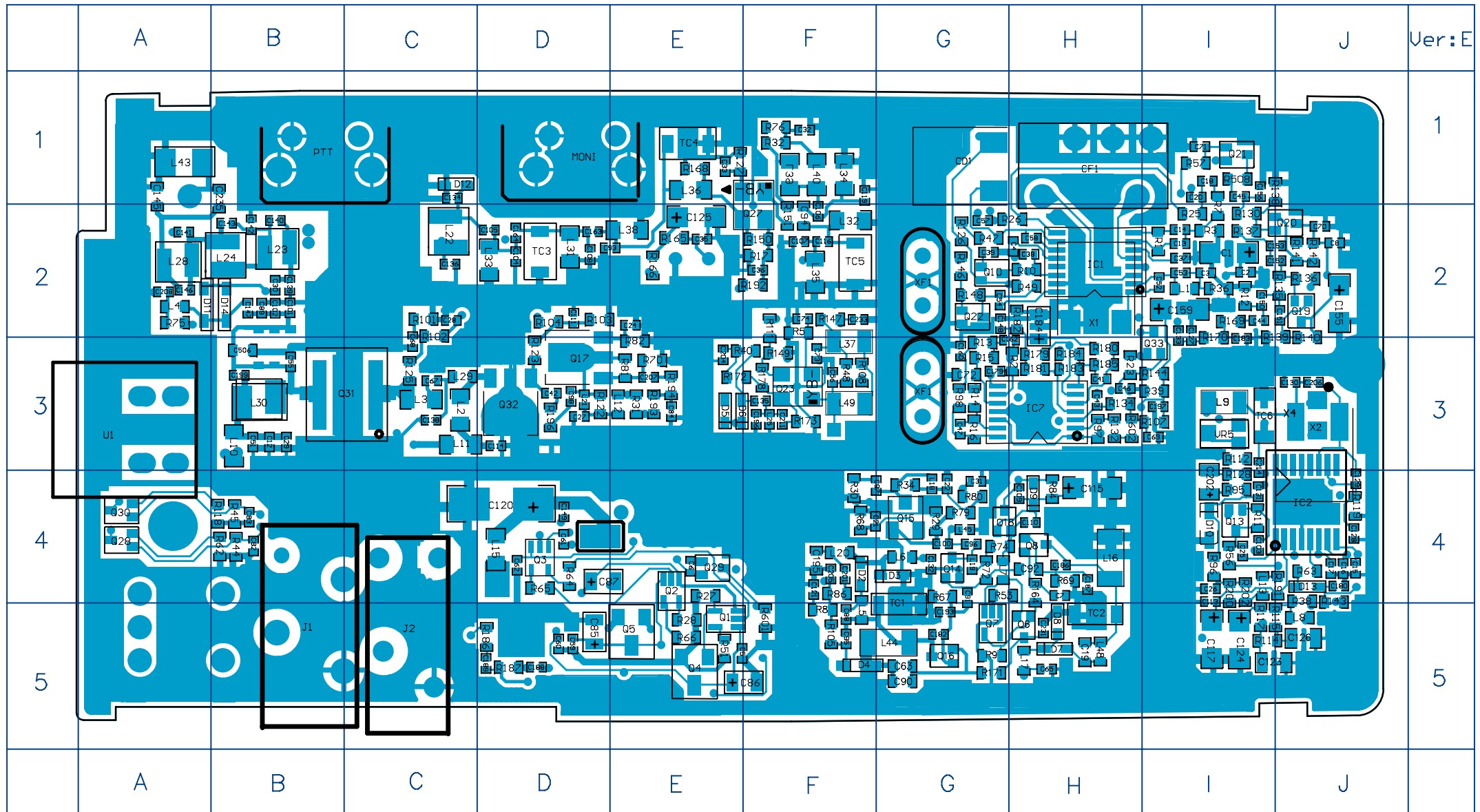
## TC-600 VHF PCB View

### Top Layer

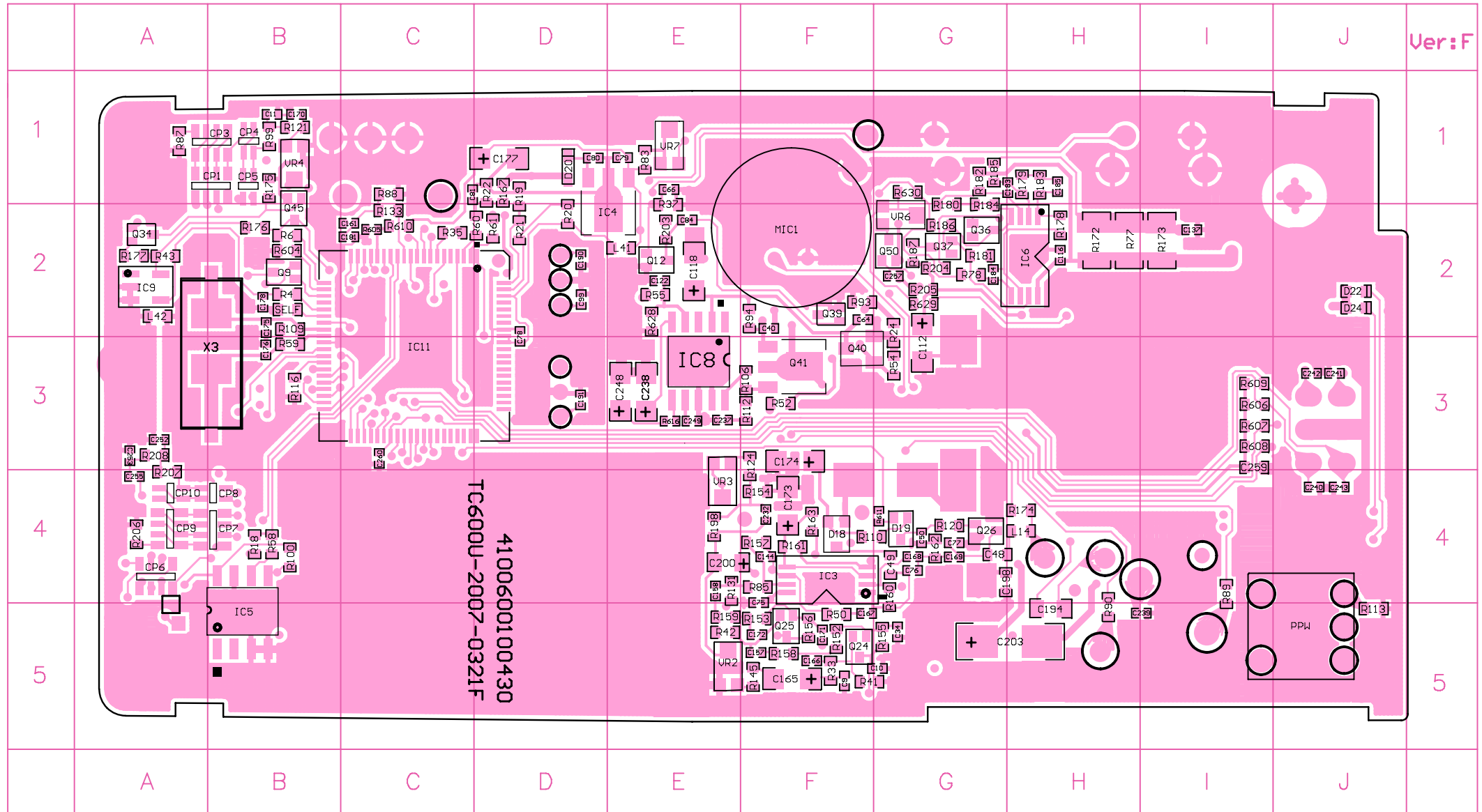


# TC-600 VHF PCB View

## Bottom Layer

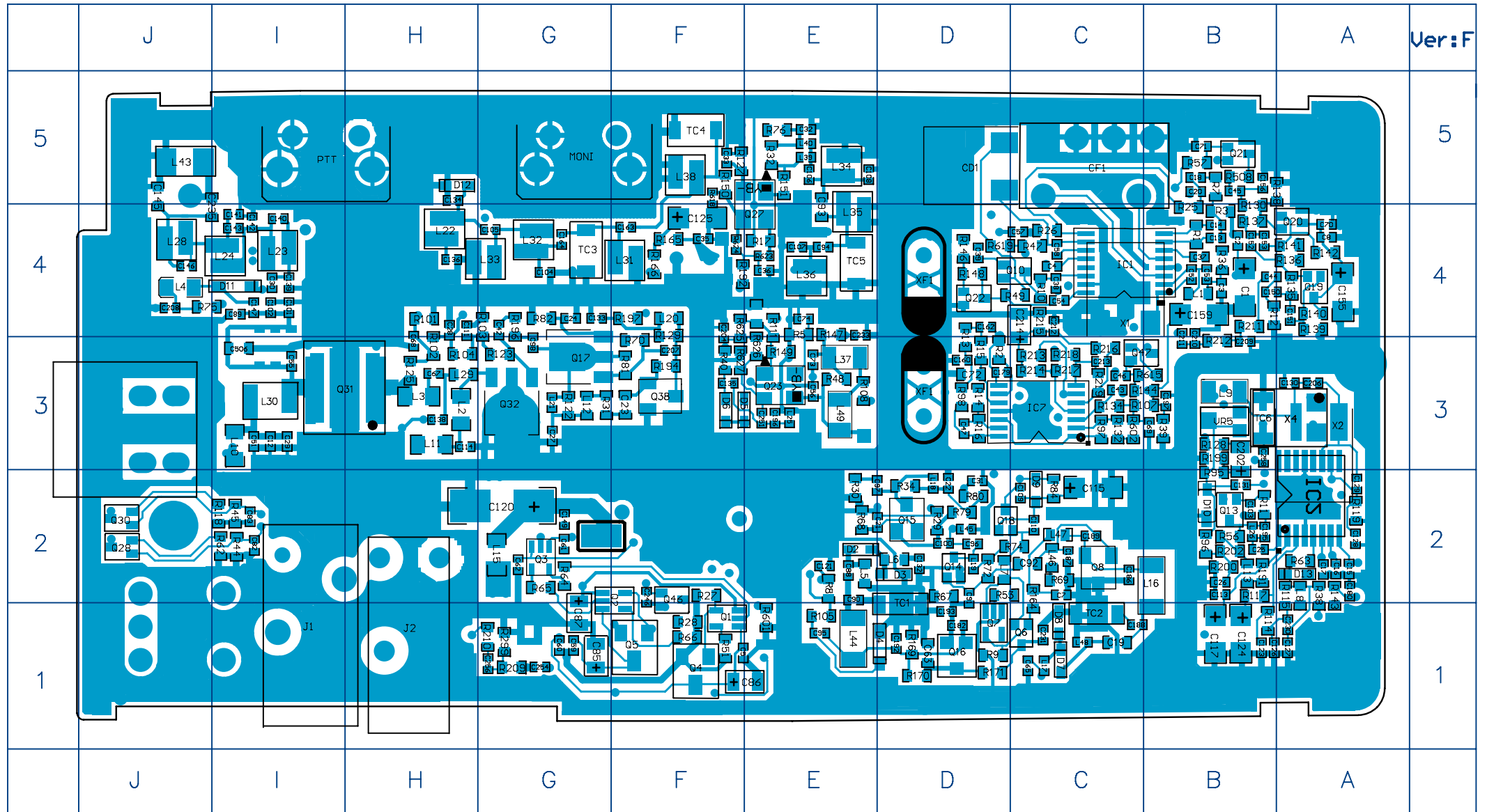


# TC-600 UHF PCB View Top Layer

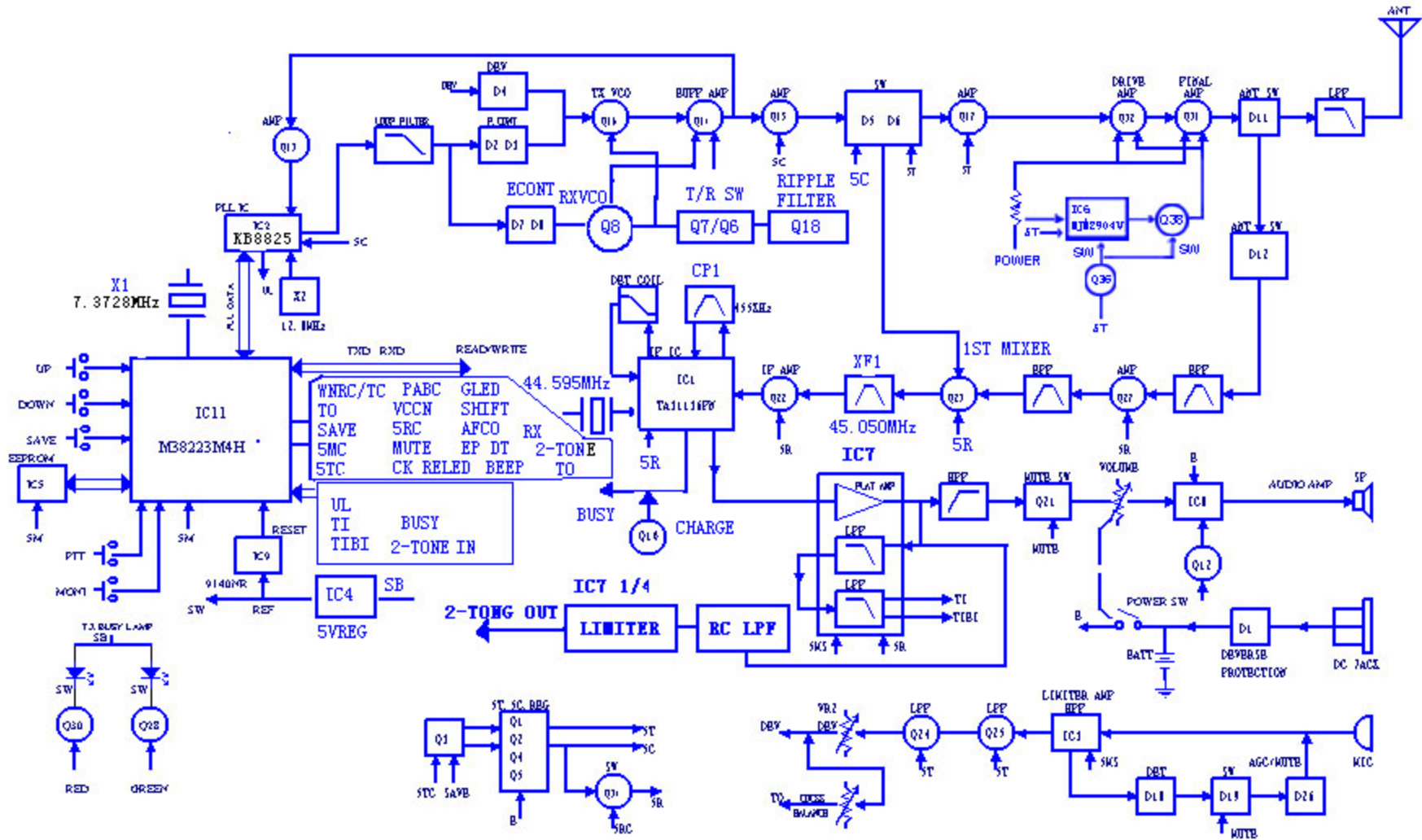




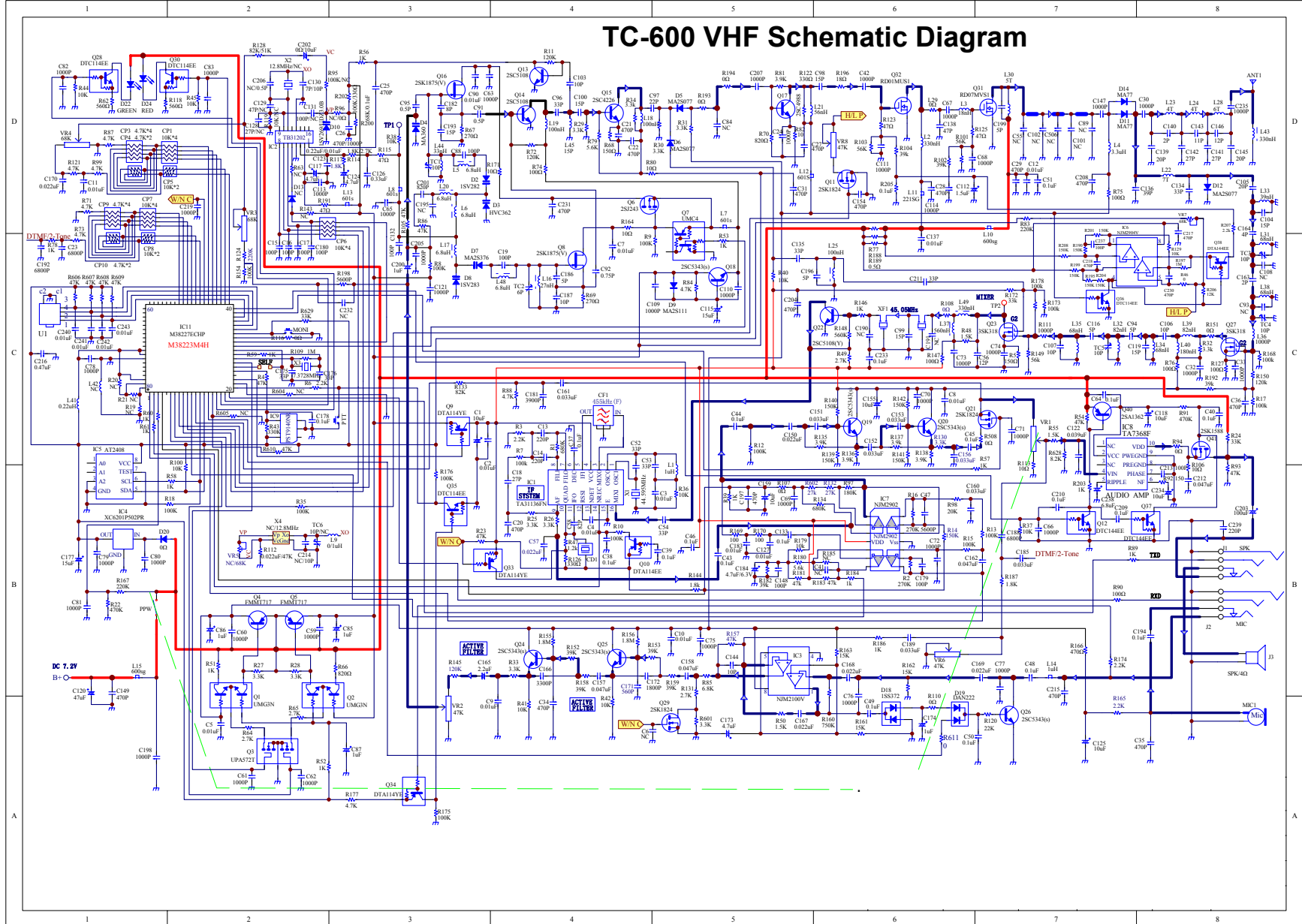
# TC-600 UHF PCB View Bottom Layer



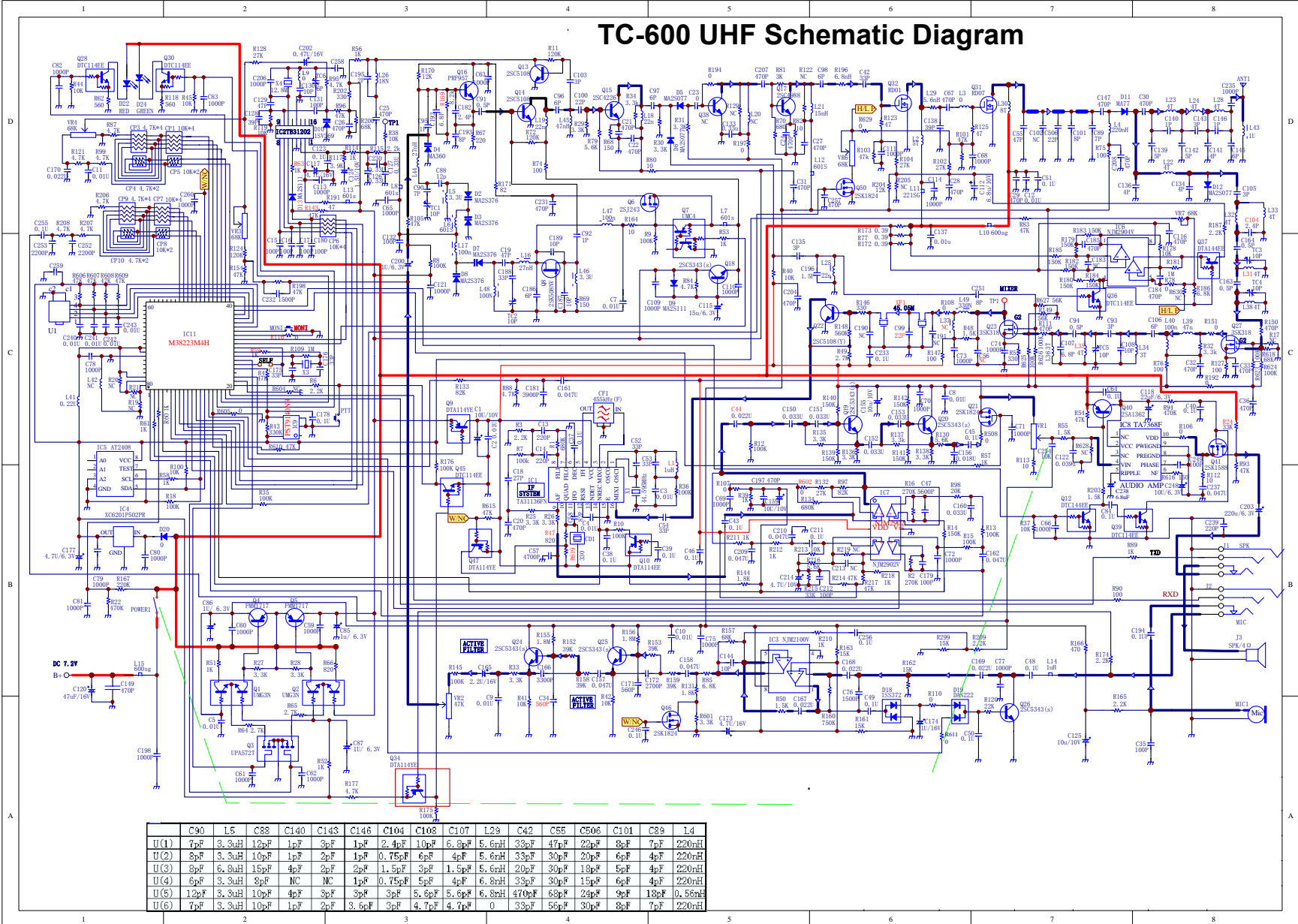
## TC-600 Block Diagram



# TC-600 VHF Schematic Diagram



# TC-600 UHF Schematic Diagram



# Specifications

General	
Frequency Range	VHF: 150 MHz -174 MHz UHF: 400 MHz - 420 MHz    450 MHz - 470 MHz
Channel Capacity	16
Channel Spacing	25KHz/12.5 KHz
Frequency Stability	$\leq \pm 5.0 \times 10^{-6}$ ppm
Operating Voltage	7.4V DC
Battery	1250mAh
Battery Life (5-5-90 duty cycle)	$\geq 10$ hours
Operating Temperature	-20~+50℃
Dimensions (H×W×D) (with battery, without antenna)	111mm×54mm×34mm
Weight (with antenna & battery)	249g
Receiver	
Sensitivity	$< 0.25\mu\text{V (W)}/0.28\mu\text{V (N)}$
Selectivity	$\geq 55\text{dB(W)}/50\text{dB(N)}$
Intermodulation	$\geq 50\text{dB}$
Spurious Response Rejection	$\geq 50\text{dB}$
Rated Audio Power Output	0.5W
Rated Audio Distortion	$\leq 5\%(0.5\text{W})$
Transmitter	
RF Power Output	H: $\geq 3.8/4.4\text{W(H)}$ L: $2\pm 0.9\text{W}$
Spurious and Harmonics	$\leq -21\text{dBm}$
Modulation Limiting	$\leq 5/2.5\text{kHz}$
FM Noise	$\geq 40\text{dB}$
Modulation Distortion	$\leq 5\%$

All Specifications are tested according to TIA/EIA-603, and subject to change without notice due to continuous development.

HYT endeavors to achieve the accuracy and completeness of this manual, but no warranty of accuracy or reliability is given. All the specifications and design are subject to change without prior notice due to continuous technology development. Changes which may occur after publication are highlighted by Revision History contained in Service Manual.

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